Environment Canada Environnement Canada

Historical Streamflow Summary

Saskatchewan

Sommaire chronologique de l'écoulement

TO/JUSQU'À **1990**

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1992

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1992

92-04644/

Printed on paper that contains recovered waste

Imprimé sur du papier à base de matériels récupérés

Published by authority of
the Minister of the Environment

Publié avec l'autorisation
du ministre de l'Environnement

©Minister of Supply and Services Canada 1992
Cat. No. En 36-418/1990-4
ISBN 0-662-58802-9

©Ministre des Approvisionnements et Services Canada 1992
N° de cat. En 36-418/1990-4
ISBN 0-662-58802-9

PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Regina, Saskatchewan.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Régina (Saskatchewan).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

CONTENTS

	PAGE
Preface	iii
Introduction	iv
Organization and History of Hydrometric Survey Operations	v
Co-operation and Acknowledgments	v
Equivalents of Measure	vi
Definition of Terms and Abbreviations	vii
Publication of Surface Water and Sediment Data	vii
Explanation of Historical Streamflow Summary Publication	
General Description	ix
Method of Tabulation of Data	x
Revisions	xi
Accuracy of Hydrometric Data	xii
Microfiche	xii
Streamflow Data, Gauging Stations in Alphabetical Order	1
Alphabetical Index	451
Station Number Index	457

INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents a summary of monthly and annual mean discharges and annual extremes of discharge for rivers in Saskatchewan for which streamflow data to 1990 inclusive have been collected by the Water Survey of Canada. This edition supersedes all previous editions.

A program for the collection and publication of Surface Water Data has been carried on across Canada for over 75 years. The results of these hydrometric survey investigations have been published annually.

Discharge data are available on CD ROM, diskette or magnetic tape for computer processing. These data and details on individual stations and related records, as well as recent data which have not yet been published may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
Room 300, Park Plaza,
2365 Albert Street,
Regina, Saskatchewan.
S4P 4K1
(306 780-5338)

or to the Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-2098).

TABLE DES MATIÈRES

	PAGE
Préface	iii
Introduction	iv
Organisation et historique des relevés hydrométriques	v
Coopération et remerciement	v
Équivalences des unités de mesure	vi
Définitions des termes et abréviations	vii
Publication des données sur les eaux de surface et les sédiments	vii
Explication du *Sommaire chronologique de l'écoulement*	
Description générale	ix
Présentation sous forme de tableaux des données	ix
Révisions	xi
Exactitude des données hydrométriques	xii
Microfiche	xii
Données sur les eaux de surface – Stations de jaugeage énumérées dans l'ordre alphabétique	1
Index alphabétique	451
Index numérique des stations	457

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente un sommaire des moyennes mensuelles et annuelles de l'écoulement et des extrêmes annuels de cours d'eau du Saskatchewan, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1990 inclusivement. La présente publication annule toutes les éditions antérieures.

La cueillette et la publication de données sur les eaux de surface sont en oeuvre depuis plus de 75 années au Canada. Les données obtenues à partir des relevés hydrométriques sont publiées annuellement.

On peut se procurer les données sur l'écoulement sous forme de disque compact à mémoire morte, de disquette ou de ruban magnétique pour traitement sur ordinateur. En s'adressant aux endroits ci-après, on peut obtenir ces données, des renseignements supplémentaires sur certaines stations particulières et divers relevés ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Salle 300, Park Plaza
2365 rue Albert
Régina (Saskatchewan)
S4P 4K1
(306 780-5338)

ou au Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-2098).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

Hydrometric surveys in Saskatchewan were conducted by the Water Survey of Canada under agreement with the Province of Saskatchewan. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Saskatchewan to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Saskatchewan for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Saskatchewan on February 18, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

La Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Saskatchewan en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de la Saskatchewan a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord a pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 18 février 1975, le gouvernement de la Saskatchewan a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

CO—OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to many organizations.

The names of these organizations are given in the Surface Water Data Reference Index and the annual Surface Water Data publications. The names of agencies who have contributed data for publication are identified herein under individual stations.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable à maints organismes de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques.

On trouvera les noms des organismes dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Les noms des organismes qui ont fourni des données apparaissent dans la présente publication sous les stations particulières.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit − 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impériaux
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit − 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île du Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication

ptesented in the International System of Units (SI) and published every two years. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Paper containing sediment data incorporates a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue is a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI).

De 1948 à 1960, on avait recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenait un choix de ces données ainsi que d'autres, recueillies en 1961 avant le 30 septembre par des stations établies pour la réalisation du programme permanent. La deuxième publication portait sur les données recueillies dans le cadre du programme, au cours des années hydrologiques 1962 et 1963. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement. À partir de 1978, les données sont fournies dans le Système international d'unités (SI).

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for

New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

EXPLANATION OF HISTORICAL STREAMFLOW SUMMARY PUBLICATION

A. General Description

Descriptive information about a gauging station is given herein below the table of monthly and annual mean discharges. This refers to such items as latitude and longitude, drainage area and whether the flow is natural or regulated (the year that regulation began is given, if known); International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions are explained under "Remarks".

This descriptive information (except the "Remarks" statement) is also given in the Surface Water Data Reference Index and the annual Surface Water Data publications. However, these two publications contain additional information not given herein such as the type of gauge, period of record and other pertinent remarks. Historical streamflow data as contained herein are published by province or region and also in alphabetical order as in the annual Surface Water Data publications. However, the Historical Streamflow Summary publications contain data for both active and discontinued streamflow stations and do not contain any water level data. These publications will be published every two years and will contain data for all streamflow stations for the entire period of record not just the data for the intervening two years.

l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

EXPLICATION DU *SOMMAIRE CHRONOLOGIQUE DE L'ÉCOULEMENT*

A. Description générale

Sous ce titre on trouve les renseignements descriptifs pour une station de relevés de l'écoulement, qui sont fournis après l'extrait des moyennes mensuelles et annuelles. Il s'agit de la latitude et de la longitude; de la superficie du bassin versant; du débit reconnu comme naturel ou régularisé (on indique l'année où la régularisation a débuté, si elle est connue); des stations internationales de jaugeage et des noms des organismes ayant fourni des données ainsi que des précisions sur les conditions spéciales qui prévalaient à la station (elles figurent dans les «Remarques»).

On trouvera également ces renseignements descriptifs (sauf les «Remarques») dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Cependant, ces dernières traitent d'information additionnelles telles que du type de jauge, de la période d'enregistrement et d'autres remarques pertinentes. Les données historiques sur l'écoulement, qui sont contenues dans la présente publication, sont subdivisées en ordre alphabétique selon les provinces ou les territoires comme pour les publications annuelles des *Données sur les eaux de surface*. Par contre, le *Sommaire chronologique de l'écoulement* contient des données non seulement de stations en opération, mais aussi de stations qui ne le sont plus; aucune donnée sur le niveau des eaux n'est toutefois fournie. Cette publication paraîtra tous les deux ans et portera sur les données de toutes les stations de relevés de l'écoulement pour toute la période d'enregistrement plutôt que sur les données qui ne couvrent que les deux années.

B. Method of Tabulation of Data

For gauging stations where systematic streamflow data have been obtained, the following are given for the period of record to 1990 inclusive:

1. Summary of monthly and annual mean discharges;
2. Annual maximum instantaneous discharges;
3. Annual maximum and minimum daily discharges;
4. Identification of the extreme recorded for the period of record;
5. Annual total discharge in cubic decametres.

The following standard symbols are used opposite the daily discharge to which they apply. These symbols will not appear opposite the monthly and annual mean discharges, but will appear with the annual maximum instantaneous value and the annual maximum and minimum daily values, if applicable:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge during that particular year. A station may have several periods of recording or manual gauges throughout its history. For more details concerning the type of gauge operated during the period of record, the *Surface Water Data Reference Index* should be consulted. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

R – Revised – indicates that a revision, correction or addition has been made to the historical discharge data base after January 1, 1989.

1. *The summary of monthly and annual mean discharge* gives:

(a) the monthly mean in cubic metres per second for each month for which there is a complete month of daily discharges. Records of daily discharges for partial months, if obtained, are published in annual publications or are available from the Regional Chief;

(b) the annual mean discharge in cubic metres per second if there are daily discharges for the complete year. In some cases a mean discharge is computed for a standard period within the year, say March to October. This is then computed for all the years for which there are daily discharge records from March to October, if there are also records for other months, say January to October, the mean is given for March to October only;

B. Présentation sous forme de tableaux des données

Pour les stations où on a effectué un relevé systématique de l'écoulement, les données suivantes sont présentées pour la période d'enregistrement allant jusqu'en 1990 inclusivement:

1. Un extrait des moyennes mensuelles et annuelles;
2. Un tableau des valeurs annuelles maximales instantanées;
3. Un tableau des valeurs quotidiennes maximale et minimale annuelles;
4. Un tableau des valeurs extrêmes enregistrées pour toute la periode d'observation;
5. Un résumé de l'écoulement annuel total en décamètres cubes.

Les symboles normalisés donnés ci-après sont inscrits à côté des débits quotidiens auxquels ils se rapportent. Les symbols ne sont fournis ni avec les débits moyens mensuels, ni avec les débits moyens annuels, mais ils paraissent avec les valeurs appropriées, c'est-à-dire la valeur instantanée maximale annuelle et les valeurs quotidiennes maximale et minimale annuelles:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne quotidienne pour l'année en question. Toute station peut comporter diverses périodes où les relevés sont effectués soit à partir d'une jauge enregistreuse, soit à l'aide d'une jauge manuelle. Pour obtenir d'autres renseignements sur le genre de jauge qui a servi lors de la période d'observation, il faut consulter l'*Index de référence des données sur les eaux de surface*. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

R – Révisé – indique qu'il y a eu révision, correction ou addition à la base des données chronologiques des débits après le 1er janvier 1989.

1. *L'extrait des moyennes mensuelles et annuelles* (The summary of monthly and annual mean discharges) donne:

(a) la moyenne mensuelle, exprimée en mètres cubes par seconde, des valeurs quotidienne de l'écoulement pour le mois entier. Pour les stations où on n'a mesuré l'écoulement quotidien que pour une partie du mois, les données paraissent dans les publications annuelles ou peuvent être obtenues du chef régional;

(b) la moyenne annuelle, en mètres cubes par seconde, pour les stations où on a obtenu des relevés quotidiens pour une année entière. Dans certains cas, la moyenne est calculée pour une période bien définie de l'année, par exemple pour mars à octobre. On donne donc la moyenne annuelle des relevés quotidiens effectués pour cette même période de l'année. S'il existe des données pour une autre partie de l'année, telle que pour janvier à octobre, la moyenne n'est toujours fournie que pour la période bien définie de mars à octobre;

(c) the mean of all the monthly means;

(d) the mean of all the annual or standard period means.

2. *The annual maximum instantaneous discharge* in cubic metres per second is given for each year if available. This figure is usually available if the station is equipped with a recording gauge. It may also be estimated from high water marks or from a graph of observed water level readings during the day.

3. *The annual maximum and minimum daily discharges* in cubic metres per second are given for each year where daily discharges have been obtained for the entire year (or standard period within the year, e.g. March to October), or where they are considered to be valid for the year even though some daily discharges are missing.

4. *The extreme recorded for the period of record* is identified by an asterisk within the table of annual maximum instantaneous, maximum daily and minimum daily values.

5. *The annual total discharge* in cubic decametres is given for each year where daily discharges have been obtained for the entire year. If a standard period such as March to October has been selected, the figure applies to only those months, similar to the mean discharge in cubic metres per second.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Revisions, corrections or additions made to the discharges and water levels after January 1, 1989 are indicated by an "R" symbol in the summary publications. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

(c) la moyenne de toutes les moyennes mensuelles;

(d) la moyenne de toutes les moyennes annuelles ou de toutes les moyennes pour une période bien définie.

2. *Le tableau des valeurs annuelles maximales instantanées* (The annual maximum instantaneous discharge) exprimées en mètres cubes par seconde, est fourni pour toute année où des données sont disponibles. La majorité des stations munies de jauges enregistreuses détiennent ces données. Elles peuvent également être évaluées à partir du niveau des hautes eaux ou d'un graphique illustrant le niveau quotidien.

3. *Le tableau des valeurs quotidiennes minimale et maximale annuelles* (The annual maximum and minimum daily discharges), exprimées en mètres cubes par seconde, donne les valeurs pour les stations où on a fait des relevés quotidiens pour une année entière ou pour une période bien définie de l'année, par exemple pour mars à octobre, ou lorsqu'on considère que les valeurs sont valables pour toute l'année même si quelques débits quotidiens ne sont pas disponibles.

4. *Le tableau des valeurs extrêmes enregistrées pour toute la période d'observation* (The extreme recorded for the period of record) est indiqué par un astérisque et est compris avec les valeurs annuelles maximales instantanées et les valeurs quotidiennes minimale et maximale annuelles.

5. *Le résumé de l'écoulement annuel total* (The annual total discharge), en décamètres cubes, est indiqué pour les stations où on a fait des relevés quotidiens pour une année entière. Si on a choisi une période bien définie de l'année, par exemple de mars à octobre, la valeur n'a trait qu'à ces mois, tout comme la moyenne mensuelle, en mètres cubes par seconde.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées aux débits et aux niveaux d'eau après le 1er janvier 1989 sont accompagnées du symbole «R» dans les publications sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

ABITAU RIVER ABOVE CUMING LAKE - STATION NO. 07QC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	---	---	---	---	34.9R	31.6R	26.5R	24.7R	18.4R	13.9 R	---	1988
1989	9.95	8.96	7.76	7.04	41.3	32.8	19.4	12.6	11.3	12.4	10.9	9.72	15.4	1989
1990	9.43	6.49	5.72	5.80	20.2	20.9	23.0	18.1	21.6	21.0	18.4	15.2	15.5	1990
MEAN	9.69	7.73	6.74	6.42	30.7	26.9	25.8R	20.8R	19.8R	19.4R	15.9R	12.9 R	15.5 R	MEAN

LOCATION - LAT 59 59 58 N
LONG 108 46 24 W NATURAL FLOW

R - REVISED SINCE JAN 01 1989

ABITAU RIVER ABOVE CUMING LAKE - STATION NO. 07QC005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1988	---	---	---	---	1988
1989	61.3 AT 09:05 CST ON MAY 22 *	61.1 ON MAY 22 *	6.37B ON APR 09	486 000	1989
1990	24.9 AT 05:51 CST ON JUL 15	24.8 ON JUL 15	4.91B ON MAR 27 *	490 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		488 000	MEAN

ADAMS CREEK AT SODERSTROM'S RANCH - STATION NO. 11AB005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.109	0.018	0.028	---	---	---	1909
1910	---	---	---	0.192	0.085	0.026	0.007	0.005	0.014	0.017	---	---	---	1910
1911	---	---	---	0.374	0.214	---	---	---	---	---	---	---	---	1911
MEAN	---	---	---	0.283	0.150	0.026	0.007	0.057	0.016	0.023	---	---	---	MEAN

LOCATION - LAT 49 35 00 N DRAINAGE AREA, 62.9 km^2
LONG 109 46 00 W NATURAL FLOW

ADAMS CREEK AT SODERSTROM'S RANCH - STATION NO. 11AB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	0 ON JUL 16 *	---	1910
1911	---	---	---	---	1911
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ADAMS CREEK AT SPANGLER'S RANCH - STATION NO. 11AB014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.039	0.027	0.028	---	---	---	1909
1910	---	---	---	0.048	0.035	0.024	0.016	0.016	0.021	0.021	---	---	---	1910
1911	---	---	---	---	---	---	0.032	0.034	0.617	0.157	---	---	---	1911
1912	---	---	---	---	0.218	0.120	0.015	0.021	0.051	0.099	---	---	---	1912
1913	---	---	---	0.891	0.222	0.045	0.045	0.008	0	0.016	---	---	---	1913
1914	---	---	---	---	0.097	0.044	0.001	0	0	0.020	---	---	---	1914
1915	---	---	---	0.317	0.160	0.305	0.160	0.056	0.133	0.132	---	---	---	1915
1916	---	---	0.826	0.209	0.435	0.980	0.265	0.156	0.095	0.188	---	---	0.394	1916
MEAN	---	---	0.826	0.366	0.195	0.253	0.076	0.041	0.118	0.083	---	---	0.394	MEAN

LOCATION - LAT 49 31 38 N DRAINAGE AREA, 80.8 km^2
LONG 109 47 10 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

ADAMS CREEK AT SPANGLER'S RANCH - STATION NO. 11AB014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	0 ON JUN 13 *	---	1912
1913	---	---	0 ON AUG 04	---	1913
1914	---	---	0 ON JUL 08	---	1914
1915	---	---	---	---	1915
1916	---	3.45 ON MAR 11 *	0.023 ON MAR 08	8 340	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 340	MEAN

ADAMS NORTH DITCH NEAR CYPRESS - STATION NO. 05HA027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0	0.009	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	0.001	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
MEAN	---	---	---	---	0.001	0.009	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 43 29 N
LONG 109 35 28 W REGULATED

ADAMS NORTH DITCH NEAR CYPRESS - STATION NO. 05HA027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	---	0 ON MAY 01 *	---	1916
1917	---	---	0 ON MAY 16	---	1917
1918	---	---	0 ON MAY 01	---	1918
1919	---	---	OR ON AUG 05	---	1919
			OR ON MAY 23		
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN
		R - REVISED SINCE JAN 01 1989			

ADAMS SOUTH DITCH FROM CYPRESS CREEK - STATION NO. 05HA028

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.020	0.008	---	---	---	---	---	---	---	---	1915
1917	---	---	---	---	0.020	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
MEAN	---	---	---	0.020	0.014	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 43 00 N
LONG 109 35 00 W REGULATED

ADAMS SOUTH DITCH FROM CYPRESS CREEK - STATION NO. 05HA028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1917	---	---	---	---	1917
1918	---	---	OR ON AUG 05 *	---	1918
1919	---	---	OR ON JUN 21	---	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN
		R - REVISED SINCE JAN 01 1989			

ALCOTT CREEK ABOVE MEADOW LAKE - STATION NO. 06AD011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	0.028	0.478	2.17	0.363	0.154	0.381	0.418	0.660	---	---	0.583	1977
1978	---	0.054	0.057	1.63	4.55	0.971	0.064	0.084	0.130	0.142	---	---	0.953	1978
1979	---	---	0.026	0.575	2.05	1.21	0.515	0.117	0.076	0.119	---	---	0.586	1979
1980	---	---	0.035	1.20	0.174	0.128	0.140	0.326	0.926	0.499	---	---	0.424	1980
1981	---	---	0.233	1.06	0.531	0.162	0.057	0.103	0.002	0.027	---	---	0.270	1981
1982	---	---	0.036	2.66	1.72	0.102	0.143	0.186	0.161	0.338	---	---	0.665	1982
1983	---	---	0.083	0.800	0.426	0.144	0.133	0.010	0.013	0.016	---	---	0.202	1983
1984	---	---	0.062	0.452	2.35	4.20	0.142	0.035	0.066	0.175	---	---	0.927	1984
1985	---	---	0.085	4.55	3.50	1.32	0.039	0.173	0.081	0.211	---	---	1.23	1985
1986	---	---	0.190	0.744	1.63	0.886	1.47	1.82	0.071	0.175	---	---	0.876	1986
1987	---	---	0.093	1.12	0.379	0.063	0.209	0.146	0.103	0.048	---	---	0.268	1987
1988	---	---	0.061	1.23	0.448	0.911	1.90	5.76	1.22	0.346	---	---	1.49	1988
1989	---	---	0.018	1.53	1.32	0.759	2.10	0.148	1.10	0.362	---	---	0.914	1989
1990	---	---	0.109	2.13	4.46	0.573	1.35	0.075	0.011	0.060	---	---	1.10	1990
MEAN	---	0.054	0.080	1.44	1.84	0.842	0.601	0.669	0.313	0.227	---	---	0.749	MEAN

LOCATION - LAT 53 57 10 N
LONG 107 58 30 W DRAINAGE AREA, 416 km^2
NATURAL FLOW

ALCOTT CREEK ABOVE MEADOW LAKE - STATION NO. 06AD011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	8.72 AT 13:20 CST ON MAY 23	8.47R ON MAY 23	0.007 ON JUL 05	12 300	1977
1978	17.0 AT 23:11 CST ON MAY 05	13.7 R ON MAY 06	0.001 ON JUL 27 *	20 200	1978
1979	3.88 AT 01:00 CST ON MAY 03	3.68 ON MAY 03	0.002 ON SEP 02	12 400	1979
1980	---	---	---	---	
1981	2.29 AT 17:56 CST ON AUG 15	3.97E ON APR 17	0.001 ON JUN 15	8 980	1980
1982	13.2 B AT 15:11 CST ON APR 24	1.87 ON APR 23	0.001 ON JUL 13	5 720	1981
1983	3.16 AT 11:49 CST ON APR 24	11.3 B ON APR 24	0.001 ON JUN 30	14 100	1982
1984	21.7 AT 12:45 CST ON JUN 10	1.87 ON APR 24	0.001 ON SEP 02	4 270	1983
		20.9 ON JUN 10	0.003 ON SEP 06	19 600	1984
1985	15.7 AT 16:43 CST ON APR 27	14.8 ON APR 27	0.001 ON JUL 29	26 100	1985
1986	7.04 AT 18:09 CST ON AUG 04	6.92 ON AUG 04	0.023 ON SEP 13	18 600	1986
1987	2.47 AT 20:56 CST ON JUL 07	2.25B ON APR 07	0.007 ON JUN 27	5 680	1987
1988	35.0 AT 06:14 CST ON AUG 24 *	33.4 ON AUG 24 *	0.061B ON MAR 01	31 500	1988
1989	4.83 AT 21:26 CST ON JUL 03	4.56 ON JUL 03	0.017B ON MAR 01	19 300	1989
1990	11.7 AT 21:08 CST ON JUL 09	10.0 ON MAY 06	0.006 ON SEP 16	23 300	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		15 900	MEAN

ANTELOPE CREEK NEAR CABRI - STATION NO. 05HC005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.535	0.242	0	0	0.001	0	0	0	---	---	0.097	1970
1971	---	---	0	1.23	0.001	0	0	0	0	0	---	---	0.150	1971
1972	---	---	0.011	0	0	0	0	0	0	0	---	---	0.001	1972
1973	---	---	0.008	0	0	0	0	0	0	0	---	---	0.001	1973
1974	---	---	0	1.71	0.691	0.073	0.013	0	0	0	---	---	0.307	1974
1975	---	---	0	0.853	0.109	0	0	0	0	0	---	---	0.118	1975
1976	---	---	1.23	0.354	0.002	0.001	0.014	0	0	0	---	---	0.201	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.039	0.040	0.001	0	0	0	0	0	---	---	0.010	1978
1979	---	---	0.084	0.125	0.001	0	0	0	0	0	---	---	0.026	1979
1980	---	---	0.018	0.003	0	0	0	0	0	0	---	---	0.003	1980
1981	---	0.236	0.007	0	0	0	0	0	0	0	---	---	0.001	1981
1982	---	0	0.365	0.120	0.001	0.038	0	0	0	0	---	---	0.068	1982
1983	---	0.011	0.021	0.002	0.007	0.002	0.297	0	0	0	---	---	0.042	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.488	0.262	0	0.001	0	0	0	0	---	---	0.094	1985
1986	---	0.017	0.012	0	0.007	0.007	0.029	0	0	0	---	---	0.007	1986
1987	---	0.005	0.044	0.001	0.004	0	0	0	0	0	---	---	0.006	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.074	0.016	0	0.504	0	0	0	0	---	---	0.073	1989
1990	---	---	0.001	0	0	0	0.023	0	0	0	---	---	0.003	1990
MEAN	---	0.054	0.141	0.236	0.039	0.030	0.018	0	0	0	---	---	0.058	MEAN

LOCATION - LAT 50 39 41 N
LONG 108 22 50 W
DRAINAGE AREA 244 km^2
REGULATED SINCE 1949

ANTELOPE CREEK NEAR CABRI - STATION NO. 05HC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	3.74 B AT 11:30 CST ON MAR 24	3.28 B ON MAR 24	0B ON MAR 01 *	2 060	1970
1971	---	8.24 ON APR 06	0B ON MAR 01	3 180	1971
1972	---	0.116B ON MAR 24	0B ON MAR 01	30.2	1972
1973	---	0.021B ON MAR 12	0B ON MAR 01	22.5	1973
1974	16.4 B AT 00:15 CST ON APR 16	10.4 B ON APR 16 *	0B ON MAR 01	6 510	1974
1975	9.51 AT 13:37 CST ON APR 18	6.80 ON APR 18	0B ON MAR 01	2 500	1975
1976	10.8 AT 12:43 CST ON MAR 23	7.59 ON MAR 23	0B ON MAR 01	4 250	1976
1977	0 AT 00:01 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1977
1978	0.538 AT 23:28 CST ON MAR 30	0.436 ON MAR 30	0B ON MAR 01	211	1978
1979	---	0.400B ON MAR 31	0B ON MAR 01	552	1979
1980	---	0.160B ON MAR 30	0B ON MAR 01	55.7	1980
1981	1.50 B ON FEB 18	0.052B ON MAR 01	0 ON MAR 13	18.3	1981
1982	5.83 B AT 15:47 CST ON MAR 28	3.40 B ON MAR 29	0B ON MAR 01	1 440	1982
1983	30.0 AT 07:23 CST ON JUL 21 *	8.12 R ON JUL 21	0 ON MAR 08	881	1983
1984	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1984
1985	4.15 AT 03:12 CST ON APR 02	3.42 B ON MAR 16	0B ON MAR 01	1 990	1985
1986	1.32 B AT 11:27 CST ON FEB 28	0.434 ON JUL 23	0 ON MAR 13	143	1986
1987	0.345B AT 01:55 CST ON MAR 26	0.236B ON MAR 26	0B ON MAR 01	132	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	16.3 AT 04:03 CST ON JUN 12	7.20 ON JUN 12	0B ON MAR 01	1 550	1989
1990	0.279 AT 02:41 CST ON JUL 13	0.237 ON JUL 13	0B ON MAR 01	66.6	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		1 220	MEAN

ANTLER RIVER NEAR WAUCHOPE - STATION NO. 05NF010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0	0.231	0.002	0.008	0	0	0.129	0.178	---	---	0.068	1965
1966	---	---	0.145	0.731	0.356	0.012	0.001	0	0	0	---	---	0.155	1966
1967	---	---	0	0.225	0.039	0	0	0	0	0	---	---	0.033	1967
1968	---	---	0.100	0.001	0	0	0	0	0	0	---	---	0.013	1968
1969	---	---	0	2.84	0.052	0	0.931	0.041	0	0	---	---	0.477	1969
1970	---	---	0	1.25	1.46	0.064	0.006	0	0	0	---	---	0.347	1970
1971	---	---	0	0.299	0.022	0	0.007	0	0	0	---	---	0.040	1971
1972	---	---	0.601	0.316	0.121	0.129	0	0	0	0	---	---	0.146	1972
1973	---	---	0.048	0.003	0.007	0.011	0	0	0	0	---	---	0.009	1973
1974	---	---	0	1.87	0.707	0.118	0	0	0	0	---	---	0.333	1974
1975	---	---	0	2.58	1.11	0.379	0.036	0.201	1.36	0.233	---	---	0.729	1975
1976	---	---	0	9.96	0.500	0.126	0.010	0	0	0	---	---	1.30	1976
1977	---	---	0	0	0.003	0	0	0	0	0	---	---	0	1977
1978	---	---	0.004	0.123	0.030	0.017	0	0	0	0	---	---	0.021	1978
1979	---	---	0	0.966	0.110	0.006	0	0	0	0	---	---	0.133	1979
1980	---	---	0	0.231	0	0	0	0.002	0	0	---	---	0.028	1980
1981	---	---	0.019	0	0	0	0	0	0	0	---	---	0.002	1981
1982	---	---	0	0.907	0	0	0	0	0	0	---	---	0.111	1982
1983	---	---	0	1.04	0.011	0	0	0	0	0	---	---	0.129	1983
1984	---	---	0.008	0.004	0	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.256	0.310	0.002	0	0	1.88	0.289	0.167	---	---	0.364	1985
1986	---	---	0.499	0.095	0.581	0.095	0.062	0.004	0	0	---	---	0.168	1986
1987	---	---	0.165	0.813	0.007	0	0	0	0	0	---	---	0.121	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.006	0	0	0	0	0	0	---	---	0.001	1989
1990	---	---	0.003	0.002	0	0	0.006	0	0	0	---	---	0.001	1990
MEAN	---	---	0.071	0.954	0.197	0.037	0.041	0.082	0.068	0.022	---	---	0.182	MEAN

LOCATION - LAT 49 35 03 N LONG 101 50 52 W DRAINAGE AREA, 350 km² NATURAL FLOW

ANTLER RIVER NEAR WAUCHOPE - STATION NO. 05NF010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	2.20 ON APR 13	0B ON MAR 01 *	1 440	1965
1966	---	2.61 B ON APR 01	0B ON MAR 01	3 270	1966
1967	---	1.13 B ON APR 08	0B ON MAR 01	688	1967
1968	---	0.680B ON MAR 14	0B ON MAR 01	269	1968
1969	---	18.2 ON APR 13	0B ON MAR 01	10 100	1969
1970	---	3.71 ON APR 30	0B ON MAR 01	7 340	1970
1971	---	0.810B ON APR 11	0B ON MAR 01	853	1971
1972	---	3.54 B ON MAR 20	0B ON MAR 01	3 080	1972
1973	---	0.238 ON MAR 16	0B ON MAR 01	185	1973
1974	---	11.9 ON APR 19	0B ON MAR 01	7 040	1974
1975	---	11.6 ON APR 28	0B ON MAR 01	15 400	1975
1976	34.5 AT 04:59 CST ON APR 10 *	31.7 ON APR 10 *	0B ON MAR 01	27 500	1976
1977	0.241A AT 23:00 CST ON MAY 04	0.051 ON MAY 05	0B ON MAR 01	6.83	1977
1978	1.27 B AT 11:48 CST ON APR 04	0.716B ON APR 04	0B ON MAR 01	453	1978
1979	5.95 AT 10:36 CST ON APR 21	5.20 ON APR 21	0B ON MAR 01	2 810	1979
1980	3.48 B AT 20:11 CST ON APR 06	1.57 ON APR 07	0B ON MAR 01	603	1980
1981	---	0.060B ON MAR 01	0B ON APR 01	51.1	1981
1982	9.21 B AT 22:33 CST ON APR 13	7.76 B ON APR 14	0B ON MAR 01	2 350	1982
1983	7.68 AT 01:00 CST ON APR 21	7.11 ON APR 21	0B ON MAR 01	2 740	1983
1984	0.257B AT 22:27 CST ON MAR 21	0.077B ON MAR 22	0B ON MAR 01	32.4	1984
1985	18.4 AT 09:13 CST ON AUG 05	15.5 ON AUG 05	0B ON MAR 01	7 710	1985
1986	1.57 AT 03:28 CST ON JUN 20	2.26 B ON MAR 03	0 ON JUN 01	3 560	1986
1987	4.66 B AT 22:44 CST ON APR 03	3.87 B ON APR 05	0B ON MAR 01	2 570	1987
1988	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1988
1989	---	0.051B ON APR 03	0B ON MAR 01	16.1	1989
1990	0.577 AT 02:07 CST ON JUL 03	0.062 ON JUL 03	0B ON MAR 01	29.5	1990
				3 850	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ARM RIVER NEAR BETHUNE - STATION NO. 05JH001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	10.0	1.58	0.169	0.125	0.041	0.035	0.029	---	---	---	1922
1923	---	---	0.025	2.89	0.610	---	---	---	---	---	---	---	---	1923
1936	---	---	0.051	4.07	0.854	0.105	---	---	---	---	---	---	---	1936
1953	---	---	---	1.93	0.047	0.089	---	---	---	---	---	---	---	1953
1954	---	---	0.043	0.960	0.464	1.34	---	---	---	---	---	---	---	1954
1955	---	---	0.411	6.81	2.13	0.164	0.154	0.014	0	0	---	---	1.20	1955
1956	---	---	0	6.94	0.814	0.464	0.243	0.076	0.023	0.015	---	---	1.05	1956
1957	---	---	2.87	2.09	0.350	0.105	0.016	0.002	0	0.002	---	---	0.678	1957
1958	---	---	1.50	1.28	0.128	0.042	0.001	0	0	0	---	---	0.368	1958
1959	---	---	0.212	0.130	0.099	0.211	0.068	0	0.002	0.035	---	---	0.094	1959
1960	---	---	0.811	4.00	0.283	0.077	0.023	0	0	0	---	---	0.650	1960
1961	---	---	0.001	0.075	0.185	0.214	0	0	0	0	---	---	0.069	1961
1962	---	---	0.001	0.743	0.063	0.087	0.002	0	0	0	---	---	0.110	1962
1963	---	---	0.166	0.010	0.012	0.172	0.100	0.157	0.001	0	---	---	0.077	1963
1964	---	---	0.062	0.102	0.058	0	0	0	0	0	---	---	0.028	1964
1965	---	---	0	0.395	0.067	0.188	0.667	0.008	0	0.004	---	---	0.166	1965
1966	---	---	1.09	2.16	0.204	0.205	0.122	0.006	0	0.061	---	---	0.477	1966
1967	---	---	0	0.735	0.914	0.094	0.001	0	0	0	---	---	0.217	1967
1968	---	---	2.18	0.138	0.042	0.162	0	0.009	0.010	0.032	---	---	0.324	1968
1969	---	---	0	11.4	0.488	0.006	0.029	0.123	0.003	0.522	---	---	1.55	1969
1970	---	---	0.892	4.50	0.752	0.205	0.124	0.001	0.114	0.097	---	---	0.826	1970
1971	---	---	0	2.48	0.164	0.073	0.094	0.108	0	0.057	---	---	0.366	1971
1972	---	---	0.235	0.190	0.115	0.020	0	0	0	0	---	---	0.070	1972
1973	---	---	0.366	0.167	0.220	0.318	0.009	0	0	0.058	---	---	0.142	1973
1974	---	---	0	14.8	2.28	0.657	0.148	0.079	0.021	0.021	---	---	2.21	1974
1975	---	---	0	1.64	0.525	0.109	0.034	0	0	0	---	---	0.285	1975
1976	---	---	0.684	3.29	0.133	0.284	0.125	0.002	0.079	0.029	---	---	0.571	1976
1977	---	---	0.007	0.018	0.045	0.008	0	0	0	0.030	---	---	0.014	1977
1978	---	---	0.366	1.38	0.221	0.054	0.001	0	0.055	0	---	---	0.256	1978
1979	---	---	0	6.04	1.23	0.203	0.052	0.009	0	0.009	---	---	0.929	1979
1980	---	---	0.628	1.32	0.004	0.001	0.059	0.001	0	0.151	---	---	0.268	1980
1981	---	0.033	0.058	0.152	0.042	0.006	0.005	0.005	0.001	0.010	---	---	0.031	1981
1982	---	---	0.001	4.82	0.441	0.107	0.088	0.010	0	0	---	---	0.672	1982
1983	---	---	0.202	1.14	0.126	0.026	0.467	0.050	0.007	0.006	---	---	0.251	1983
1984	---	---	0.223	0.342	0.020	0.001	0	0	0	0	---	---	0.073	1984
1985	---	---	1.70	9.31	0.366	0.029	0	0	0	0	---	---	1.40	1985
1986	---	0.092	1.17	0.416	0.456	0.008	0	0	0	0	---	---	0.258	1986
1987	---	---	0.931	1.49	0.039	0.007	0	0	0	0	---	---	0.306	1987
1988	---	---	0.036	0.017	0.004	0	0	0	0	0	---	---	0.007	1988
1989	---	---	0	0.014	0.007	0.012	0.001	0.001	0.001	0.001	---	---	0.005	1989
1990	---	0.016	0.597	0.497	0.074	0.003	0.001	0.003	0	0	---	---	0.147	1990
MEAN	---	0.047	0.451	2.71	0.406	0.151	0.075	0.019	0.010	0.032	---	---	0.448	MEAN

LOCATION - LAT 50 44 12 N DRAINAGE AREA, 1 910 km²
LONG 105 11 28 W REGULATED

ARM RIVER NEAR BETHUNE - STATION NO. 05JH001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---	---	---	1922
1923	---	42.5 E ON APR 07	---	---	1923
		7.31 ON APR 14	0 B ON MAR 01 *		
1936	---	28.2 ON APR 12	0 B ON MAR 01	---	1936
1953	---	17.8 ON APR 02	---	---	1953
1954	---	1.65 ON APR 23	0 B ON MAR 01	---	1954
1955	---	25.6 B ON APR 04	0 B ON MAR 01	25 300	1955
1956	---	29.2 ON APR 17	0 B ON MAR 01	22 300	1956
1957	---	16.0 B ON MAR 24	0 B ON MAR 01	14 300	1957
1958	---	11.6 B ON MAR 29	0 B ON MAR 10	7 780	1958
1959	---	3.20 ON JUN 28	0 B ON MAR 01	2 000	1959
1960	---	19.8 ON APR 06	0 B ON MAR 01	13 800	1960
1961	---	0.578 ON JUN 02	0 B ON MAR 01	1 460	1961
1962	---	3.28 ON APR 07	0 B ON MAR 01	2 330	1962
1963	2.11 AT 05:00 CST ON JUN 10	1.93 A ON MAR 24	0 B ON MAR 01	1 640	1963
1964	---	0.368B ON MAR 18	0 B ON MAR 01	586	1964
1965	---	2.60 B ON APR 10	0 B ON MAR 01	3 510	1965
1966	10.3 A AT 08:00 CST ON APR 04	0.83 A ON APR 04	0 B ON MAR 01	10 100	1966
1967	---	2.23 ON MAY 02	0 B ON MAR 01	4 600	1967
1968	---	9.68 B ON MAR 07	0 ON JUN 23	6 860	1968
1969	91.7 B AT 22:00 CST ON APR 13	58.3 ON APR 14	0 B ON MAR 01	32 800	1969
1970	---	14.2 B ON APR 10	0 B ON MAR 01	17 500	1970
1971	14.6 B AT 22:36 CST ON APR 09	8.44 B ON APR 09	0 B ON MAR 01	7 740	1971
1972	3.62 B AT 11:08 CST ON MAR 22	1.96 B ON MAR 22	0 B ON MAR 01	1 480	1972
1973	3.06 B AT 14:42 CST ON MAR 11	1.82 B ON MAR 11	0 B ON MAR 01	3 010	1973
1974	100 AT 17:58 CST ON APR 22 *	86.7 ON APR 22 *	0 B ON MAR 01	46 800	1974
1975	9.37 B AT 13:01 CST ON APR 15	6.31 B ON APR 15	0 B ON MAR 01	6 040	1975
1976	---	10.9 B ON APR 03	0 ON AUG 15	12 100	1976
1977	0.374 AT 20:22 CST ON MAY 26	0.252 ON MAY 26	0 ON JUL 06	208	1977
1978	---	3.65 B ON MAR 30	0 B ON MAR 01	5 430	1978
1979	27.2 AT 20:20 CST ON APR 22	26.6 ON APR 22	0 B ON MAR 01	19 700	1979
1980	7.70 B AT 13:50 CST ON MAR 31	5.40 B ON MAR 30	0 B ON MAR 01	5 680	1980
1981	0.491B AT 17:21 CST ON APR 22	0.437 ON APR 22	0 E ON JUL 11	652	1981
1982	37.6 AT 19:00 CST ON APR 16	29.7 ON APR 17	0 B ON MAR 01	14 200	1982
1983	4.96 B AT 21:00 CST ON APR 05	3.78 B ON APR 06	0.001 ON JUN 18	5 310	1983
1984	1.89 B AT 15:38 CST ON MAR 25	1.71 B ON MAR 25	0 ON JUL 05	1 540	1984
1985	20.0 AT 06:18 CST ON APR 08	19.7 ON APR 07	0 B ON MAR 01	29 700	1985
1986	5.09 B AT 20:02 CST ON MAR 02	4.56 B ON MAR 03	0 ON JUN 20	5 460	1986
1987	5.25 B AT 08:12 CST ON APR 06	4.83 B ON APR 06	0 ON JUN 17	6 480	1987
1988	0.914B AT 11:00 CST ON MAR 03	0.460B ON MAR 03	0 B ON MAR 01	151	1988
1989	0.096B AT 17:44 CST ON APR 01	0.060 ON APR 03	0 B ON MAR 01	98.9	1989
1990	1.87 B AT 12:20 CST ON MAR 09	1.56 B ON APR 06	0 ON JUL 30	3 100	1990
MEAN				9 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ARMSTRONG EAST DITCH NEAR MURRAYDALE - STATION NO. 11AC030

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	0	0	0	0	0	0	0	0	---	---	0	1913
1914	---	---	0	0	0	0	0	0	0	0	---	---	0	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
1921	---	---	---	---	---	---	---	---	---	---	---	---	---	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	---	1922
1923	---	---	---	---	---	---	---	---	---	---	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	---	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1934	---	---	0	0	0.009	0.009	0	0	0	0	---	---	0.002	1934
1936	---	---	0	0	0.009	0	0	0	0	0	---	---	0.001	1936
1937	---	---	0	0	0.009	0	0	0	0	0	---	---	0.001	1937
1938	---	---	0	0	0	0	0	0	0	0	---	---	0	1938
1939	---	---	0	0	0	0	0	0	0	0	---	---	0	1939
MEAN	---	---	0	0	0.001	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 37 40 N
LONG 109 12 30 W
REGULATED

ARMSTRONG EAST DITCH NEAR MURRAYDALE - STATION NO. 11AC030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	0 ON MAR 01	0 ON MAR 01 *	0	1913
1914	---	0 ON MAR 01	0 ON MAR 01	0	1914
1915	---	0 ON MAR 01	0 ON MAR 01	0	1915
1916	---	0 ON MAR 01	0 ON MAR 01	0	1916
1917	---	---	0 ON MAY 27	---	1917
1919	---	---	0 ON MAY 28	---	1919
1920	---	---	0 ON JUN 14	---	1920
1921	---	0.001 ON JUN 12	0 ON MAR 01	0.086	1921
1922	---	---	0 ON JUN 20	---	1922
1923	---	0 ON MAR 01	0 ON MAR 01	0	1923
1924	---	0 ON MAR 01	0 ON MAR 01	0	1924
1925	---	0 ON MAR 01	0 ON MAR 01	0	1925
1926	---	0 ON MAR 01	0 ON MAR 01	0	1926
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
1930	---	0 ON MAR 01	0 ON MAR 01	0	1930
1931	---	0 ON MAR 01	0 ON MAR 01	0	1931
1932	---	0 ON MAR 01	0 ON MAR 01	0	1932
1934	---	0.009E ON MAY 01 *	0 ON MAR 01	47.4	1934
1936	---	0.009E ON MAY 01	0 ON MAR 01	24.1	1936
1937	---	0.009E ON MAY 01	0 ON MAR 01	24.1	1937
1938	---	0 ON MAR 01	0 ON MAR 01	0	1938
1939	---	0 ON MAR 01	0 ON MAR 01	0	1939
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4.78	MEAN

ARMSTRONG WEST DITCH NEAR MURRAYDALE - STATION NO. 11AC031

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	0	0.011	0.028	0.008	0	0	0	0	---	---	0.006	1919
1920	---	---	0	0	0.037	0.011	0	0	0	0	---	---	0.006	1920
1921	---	---	0	0	0.030	---	---	---	---	---	---	---	---	1921
1922	---	---	0	0	0.011	0.003	0	0	0	0	---	---	0.002	1922
1923	---	---	0	0.200	0	0	0	0	0	0	---	---	0.024	1923
1924	---	---	0	0	0.107	0	0	0	0	0	---	---	0.014	1924
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0.014	0.020	0	0	0	0	---	---	0.004	1930
1934	---	---	0	0	0	0	0	0	0	0	---	---	0	1934
MEAN	---	---	0	0.019	0.021	0.004	0	0	0	0	---	---	0.006	MEAN

LOCATION - LAT 49 37 10 N
LONG 109 13 10 W REGULATED

REMARKS - ESTIMATED ANNUAL DIVERSIONS ARE: 1925(74);1927(193);1930(49);1932(123);1936(25);1937(25);1938(73); AND

ARMSTRONG WEST DITCH NEAR MURRAYDALE - STATION NO. 11AC031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	0.037 ON APR 21	0 ON MAR 01 *	124	1919
1920	---	0.037 ON MAY 01	0 ON MAR 01	128	1920
1921	---	---	0 ON MAR 01	---	1921
1922	---	0.012 ON MAY 01	0 ON MAR 01	36.3	1922
1923	---	0.218 ON APR 01 *	0 ON MAR 01	518	1923
1924	---	0.122 ON MAY 02	0 ON MAR 01	286	1924
1926	---	0 ON MAR 01	0 ON MAR 01	0	1926
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
1930	---	0.051 ON MAY 14	0 ON MAR 01	88.7	1930
1934	---	0 ON MAR 01	0 ON MAR 01	0	1934
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		118	MEAN

ARNOLD TRIBUTARY NEAR FISKE - STATION NO. 05HF019

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0	0.514	0.066	0.049	0.003	0	0	0.001	---	---	0.078	1970
1971	---	---	0	0.343	0.005	0.003	0.005	0	0	0	---	---	0.044	1971
1972	---	---	0.024	0.021	0.001	0	0	0	0	0	---	---	0.006	1972
1973	---	---	0.049	0.005	0.004	0	0	0	0	0	---	---	0.007	1973
1974	---	---	0	0.230	0.019	0.034	0.002	0.001	0.001	0.002	---	---	0.035	1974
1975	---	---	0	0.274	0.014	0.009	0	0	0	0.001	---	---	0.036	1975
1976	---	---	0.077	0.096	0.003	0.004	0.002	0	0	0	---	---	0.023	1976
1977	---	---	0.007	0.007	0.021	0	0	0	0	0.001	---	---	0.005	1977
1978	---	---	0.060	0.034	0.009	0.002	0	0	0	0	---	---	0.013	1978
1979	---	---	0.029	0.035	0.005	0.002	0.002	0	0	0	---	---	0.009	1979
MEAN	---	---	0.025	0.156	0.015	0.010	0.001	0	0	0.001	---	---	0.026	MEAN

LOCATION - LAT 51 25 08 N DRAINAGE AREA, 24.3 km²
LONG 108 27 52 W NATURAL FLOW

ARNOLD TRIBUTARY NEAR FISKE - STATION NO. 05HF019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	6.09 AT 16:59 CST ON APR 10 *	3.37 B ON APR 06 *	0B ON MAR 01 *	1 650	1970
1971	4.36 E AT 18:30 CST ON APR 09	2.32 E ON APR 09	0B ON MAR 01	926	1971
1972	0.682B AT 12:01 CST ON MAR 18	0.159B ON APR 02	0B ON MAR 01	123	1972
1973	0.725 AT 19:40 CST ON MAR 16	0.227 ON MAR 17	0 ON MAR 01	153	1973
1974	5.07 AT 14:50 CST ON JUN 26	0.946B ON APR 19	0B ON MAR 01	749	1974
1975	3.96 AT 18:54 CST ON APR 19	1.67 B ON APR 19	0B ON MAR 01	772	1975
1976	3.03 AT 18:10 CST ON MAR 31	0.915B ON MAR 31	0B ON MAR 01	483	1976
1977	0.733 AT 18:30 CST ON MAY 19	0.221 ON MAY 19	0 ON JUN 03	95.6	1977
1978	1.73 B AT 20:00 CST ON MAR 29	0.580B ON MAR 29	0B ON MAR 01	280	1978
1979	1.12 AT 23:12 CST ON APR 18	0.313 ON APR 19	0B ON MAR 01	192	1979
				542	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ASSINIBOINE RIVER AT KAMSACK - STATION NO. 05MD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	2.56	1.40	0.964	0.472	0.117	0.139	0.167	---	---	---	1944
1945	---	---	---	6.43	4.05	2.37	1.30	0.272	0.308	0.567	---	---	---	1945
1946	---	---	---	13.8	3.15	1.16	0.623	0.269	0.239	0.303	---	---	---	1946
1947	---	---	---	21.6	18.1	4.91	4.82	0.962	0.832	1.12	---	---	---	1947
1948	---	---	---	---	73.7	5.51	2.44	1.00	0.259	0.409	---	---	---	1948
1949	---	---	---	---	1.63	5.23	1.40	0.472	0.136	0.176	---	---	---	1949
1950	---	---	---	14.1	9.57	2.36	1.00	2.25	0.545	0.325	---	---	---	1950
1951	---	---	---	20.4	32.1	6.47	3.06	1.24	3.23	7.87	---	---	---	1951
1952	---	---	---	37.4	12.2	3.44	1.23	0.319	0.199	0.247	---	---	---	1952
1953	---	---	---	16.5	21.4	21.1	62.8	31.3	12.7	5.20	4.45	---	---	1953
1954	---	---	---	31.2	63.7	118	38.8	9.45	12.2	13.5	7.81	---	---	1954
1955	---	---	---	91.6	132	31.9	12.7	4.82	2.32	2.28	---	---	---	1955
1956	---	---	---	42.4	125	29.4	10.9	3.13	2.30	1.77	1.89	0.964	---	1956
1957	0.431	0.375	0.402	40.9	45.2	5.46	1.79	1.10	1.02	0.147	0.232	0.333	8.14	1957
1958	0.159	0.298	0.309	8.49	2.51	0.674	0.101	0.029	0.030	0.081	0.375	0.066	1.09	1958
1959	0.050	0.028	1.09	5.63	1.60	0.477	0.560	0.154	0.212	0.620	0.528	0.200	0.928	1959
1960	0.177	0.201	0.131	53.7	19.3	9.34	3.68	0.163	0.031	0.021	0.169	0.219	7.21	1960
1961	0.168	0.083	0.218	0.626	0.718	0.359	0	0	0	0	0	---	0.181	1961
1962	0	0	0.007	19.9	7.16	1.20	0.250	0.004	0.053	0.049	0.083	0	2.38	1962
1963	0	0	0.913	6.44	1.48	1.15	0.540	0.075	0	0.028	0.028	0.028	0.886	1963
1964	0.028	0.028	0.028	5.00	5.31	0.812	0.304	0.349	0.761	0.705	0.721	0.277	1.19	1964
1965	0.222	0.192	0.164	21.3	8.94	19.5	5.57	1.21	1.37	3.28	1.60	0.643	5.31	1965
1966	0.572	0.378	0.809	55.1	23.8	9.11	6.22	4.77	1.59	0.473	0.828	0.724	8.68	1966
1967	0.503	0.399	0.270	12.0	42.2	5.80	0.570	0.108	0.007	0.470	0.161	0.183	5.27	1967
1968	0.146	0.173	1.71	8.44	1.34	0.755	0.374	0.112	0.314	0.073	0.149	0.143	1.15	1968
1969	0.129	0.076	0.130	26.4	4.95	1.24	0.628	0.545	0.118	0.626	0.348	0.131	2.92	1969
1970	0.077	0.071	0.073	20.9	27.6	6.18	3.70	0.770	0.043	0.945	1.53	0.773	5.28	1970
1971	0.387	0.320	0.289	68.3	18.0	6.37	3.11	1.81	0.156	0.558	0.[illegible]	0.943	8.38	1971
1972	0.609	0.329	0.754	64.2	60.2	3.79	0.792	0.226	0.009	0.066	0.[illegible]	0.148	10.9	1972
1973	0.086	0.088	0.699	5.14	5.56	8.42	7.39	1.08	0.217	0.167	0.399	0.571	2.49	1973
1974	0.354	0.350	0.336	47.5	68.4	30.0	2.14	1.17	1.61	1.80	1.69	1.52	13.1	1974
1975	0.814	0.721	0.583	45.1	89.4	19.5	6.65	1.48	1.36	1.35	1.71	0.833	14.2	1975
1976	0.434	0.403	0.873	99.1	25.2	20.5	19.9	3.15	0.484	0.402	0.693	0.657	14.3	1976
1977	0.407	0.386	0.493	9.94	4.34	0.711	0.157	0.117	0.146	0.354	0.461	0.436	1.49	1977
1978	0.266	0.184	0.269	15.7	6.91	0.888	1.24	0.130	0.070	0.177	0.693	0.573	2.26	1978
1979	0.414	0.311	0.229	41.1	93.2	14.0	1.85	0.483	0.511	0.330	0.404	0.460	12.9	1979
1980	0.453	0.374	0.358	28.8	5.13	0.629	0.434	0.115	0.078	0.264	0.497	0.319	3.09	1980
1981	0.187	0.181	1.79	4.70	1.75	1.48	1.25	0.644	0.122	1.40	1.63	0.619	1.32	1981
1982	0.215	0.155	0.342	9.21	4.29	1.44	5.15	0.498	0.053	0.242	0.344	0.202	1.85	1982
1983	0.243	0.205	0.296	25.5	35.1	8.17	11.3	2.76	0.254	0.180	0.586	0.621	7.15	1983
1984	0.378	0.367	4.53	15.4	7.41	8.43	2.10	0.109	0.064	0.197	0.787	0.661	3.35	1984
1985	0.351	0.322	0.341	76.8	28.1	6.57	1.45	0.413	0.321	0.508	0.540	0.378	9.63	1985
1986	0.373	0.429	1.95	60.6	12.1	3.73	2.27	0.690	0.061	0.179	0.402	0.443	6.89	1986
1987	0.393	0.393	1.73	28.8	4.50	1.61	1.94	0.423	0.167	0.338	0.701	0.818	3.46	1987
1988	2.27	1.67	1.84	45.7	26.8	3.92	0.340	0.074	0.028	0.048	0.202	0.232	6.89	1988
1989	0.160	0.152	0.188	2.55	1.00	0.940	0.618	0.039	0.090	0.062	0.452	0.274	0.542	1989
1990	0.262	0.196	0.240	41.1	10.9	1.78	0.389	0.080	0.047	0.012	0.058	0.149	4.57	1990
MEAN	0.345	0.292	0.718	29.3	25.4	9.31	5.03	1.72	0.996	1.07	0.940	0.444	5.28	MEAN

LOCATION - LAT 51 33 53 N DRAINAGE AREA, 13 000 km²
LONG 101 54 58 W REGULATED

ASSINIBOINE RIVER AT KAMSACK - STATION NO. 05MD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	8.01 B ON APR 14	0 ON APR 01 *	---	1944
1945	---	13.9 B ON APR 02	---	---	1945
1946	---	22.3 B ON MAR 28	---	---	1946
1947	---	48.4 ON APR 22	0 B ON APR 01	---	1947
1948	---	238 ON APR 29	---	---	1948
1949	---	---	---	---	1949
1950	---	45.9 ON APR 24	---	---	1950
1951	---	51.8 ON MAY 10	---	---	1951
1952	---	60.0 ON APR 20	---	---	1952
1953	---	107 ON JUL 07	---	---	1953
1954	---	269 ON JUN 17	---	---	1954
1955	---	239 ON MAY 10	---	---	1955
1956	---	203 ON APR 26	---	---	1956
1957	---	143 ON APR 25	---	---	1957
1958	18.2 AT 14:00 CST ON APR 07	17.0 ON APR 06	0.057E ON OCT 20	257 000	1958
1959	---	14.7 B ON APR 04	0.028B ON JAN 25	29 300	1959
1960	123 AT 06:00 CST ON APR 20	121 ON APR 20	0 E ON OCT 17	228 000	1960
1961	---	0.963 ON MAY 15	0 ON JUL 02	5 710	1961
1962	64.8 AT 01:00 CST ON APR 26	64.0 ON APR 25	0 ON JAN 01	75 100	1962
1963	---	13.5 A ON APR 16	0 B ON JAN 01	27 900	1963
1964	---	14.7 B ON APR 19	0.028B ON JAN 01	37 700	1964
1965	50.4 AT 01:00 CST ON APR 18	49.6 ON APR 18	0.139 ON SEP 14	167 000	1965
1966	106 AT 02:00 CST ON APR 17	104 ON APR 17	0.153 ON OCT 11	274 000	1966
1967	66.3 AT 03:30 CST ON MAY 08	66.0 ON MAY 08	0 ON AUG 28	166 000	1967
1968	---	16.4 B ON APR 07	0 ON JUL 15	36 500	1968
1969	64.0 AT 07:39 CST ON APR 20	63.7 ON APR 20	0 ON SEP 20	92 200	1969
1970	41.6 AT 24:00 CST ON MAY 08	41.3 ON MAY 08	0 ON AUG 28	166 000	1970
1971	185 AT 08:03 CST ON APR 21	183 ON APR 21	0.054 ON SEP 22	264 000	1971
1972	158 AT 12:40 CST ON APR 26	155 ON APR 26	0 ON SEP 06	346 000	1972
1973	12.6 AT 18:08 CST ON JUL 14	12.6 ON JUL 14	0.028B ON JAN 21	78 600	1973
1974	192 AT 22:55 CST ON APR 25	190 ON APR 26	0.093B ON FEB 27	413 000	1974
1975	223 AT 03:43 CST ON MAY 05	219 ON MAY 05	0.280B ON JAN 12	448 000	1975
1976	276 AT 06:11 CST ON APR 17 *	273 ON APR 17 *	0.210 ON SEP 24	453 000	1976
1977	23.3 AT 12:45 CST ON APR 18	23.1 ON APR 18	0.034 ON SEP 08	47 000	1977
1978	25.8 AT 14:56 CST ON APR 25	25.7 ON APR 25	0.027 ON SEP 18	71 100	1978
1979	234 AT 12:15 CST ON APR 29	229 ON APR 29	0.158 ON SEP 30	406 000	1979
1980	57.7 AT 01:18 CST ON APR 15	55.3 ON APR 15	0.061 ON AUG 03	97 700	1980
1981	9.92B AT 08:30 CST ON APR 11	9.28 B ON APR 10	0.022 ON OCT 05	41 500	1981
1982	32.4 AT 02:33 CST ON JUL 19	31.5 ON JUL 18	0.026 ON SEP 06	58 300	1982
1983	127 AT 17:33 CST ON APR 29	122 ON APR 29	0.093 ON SEP 24	226 000	1983
1984	22.2 B AT 23:09 CST ON APR 01	21.8 B ON APR 02	0.004 ON AUG 31	106 000	1984
1985	155 AT 04:37 CST ON APR 19	154 ON APR 19	0.207B ON JAN 21	304 000	1985
1986	120 AT 23:41 CST ON APR 06	114 ON APR 07	0.020 ON SEP 09	217 000	1986
1987	50.7 AT 08:17 CST ON APR 08	50.2 ON APR 08	0.092 ON SEP 06	109 000	1987
1988	89.1 AT 01:30 CST ON APR 14	87.2 ON APR 14	0.005 ON OCT 08	218 000	1988
1989	4.31B AT 10:27 CST ON APR 12	3.85 B ON APR 12	0.002 ON SEP 02	17 100	1989
1990	72.5 B AT 17:19 CST ON APR 16	71.9 B ON APR 16	0.007 ON OCT 13	144 000	1990
				167 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ASSINIBOINE RIVER AT STURGIS - STATION NO. 05MC001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	0.806	0.553	0.181	0.083	0.028	0.019	0.020	---	---	---	1944
1945	---	---	---	2.43	1.65	0.973	0.706	0.107	0.116	0.143	---	---	---	1945
1946	---	---	---	4.05	1.26	0.766	0.362	0.043	0.232	0.228	---	---	---	1946
1947	---	---	---	---	4.72	1.61	2.27	0.410	0.474	0.527	---	---	---	1947
1948	---	---	---	---	20.9	1.77	0.523	0.267	0.048	0.073	---	---	---	1948
1949	---	---	---	1.02	1.33	3.96	0.806	0.199	0.031	0.044	---	---	---	1949
1950	---	---	---	---	3.44	1.11	0.482	2.10	0.186	0.166	---	---	---	1950
1951	---	---	---	6.62	14.0	1.41	1.67	0.955	3.55	6.68	---	---	---	1951
1952	---	---	---	18.9	6.23	1.85	0.446	0.232	0.085	0.187	---	---	---	1952
1953	---	---	---	4.30	9.46	16.3	26.6	14.8	7.01	1.96	1.68	---	---	1953
1954	---	---	---	6.26	29.1	44.6	5.64	2.18	5.06	3.70	1.75	---	---	1954
1955	---	---	---	26.8	36.0	4.60	1.13	0.338	0.216	0.259	---	---	---	1955
1956	---	---	---	4.38	32.3	5.98	1.59	0.600	0.632	0.597	---	---	---	1956
1957	---	---	0.133	12.8	9.23	0.916	0.364	0.199	0.261	0.221	---	---	---	1957
1958	---	---	0.153	1.09	0.631	0.299	0.104	0	0	0	---	---	2.99	1958
1959	---	---	0.149	0.888	0.426	0.029	0.109	0.030	0.139	0.516	---	---	0.380	1959
1960	---	---	0	17.2	6.87	5.81	1.79	0.044	0.005	0	---	---	0.285	1960
1961	---	---	0.037	0.305	0.481	0.029	0	0	0	0	---	---	3.93	1961
1962	---	---	0	5.10	1.79	0.185	0	0	0	0	---	---	0.106	1962
1963	---	---	0.209	3.45	0.444	0.367	0.133	0	0	0	---	---	0.874	1963
1965	---	---	0	9.25	5.73	19.7	4.24	0.594	0.352	0.380	---	---	0.566	1965
1966	---	---	0.660	18.6	9.90	3.88	2.40	2.17	0.538	0.323	---	---	4.97	1966
1967	---	---	0.233	3.99	16.4	2.53	0.156	0	0	0	---	---	4.77	1967
1968	---	---	0.201	3.22	0.232	0.161	0.209	0.332	0.085	0.216	---	---	2.92	1968
1969	---	---	0.082	8.02	1.34	0.254	0.114	0.010	0.002	0.150	---	---	0.575	1969
1970	---	---	0.027	7.25	12.4	2.84	1.35	0.671	0.122	0.232	---	---	1.23	1970
1971	---	---	0.294	22.5	4.19	2.39	0.685	1.02	0.043	0.160	---	---	3.10	1971
1972	---	---	0.202	26.0	28.1	1.51	0.434	0.140	0.040	0.490	---	---	3.86	1972
1973	---	---	0.345	4.29	3.86	5.36	5.92	0.530	0.058	0.197	---	---	7.10	1973
1974	---	---	0.190	15.7	29.8	10.7	0.922	0.125	0.786	0.948	---	---	2.56	1974
1975	---	---	0.327	15.9	22.0	5.66	1.71	0.180	0.285	0.494	---	---	7.38	1975
1976	---	---	0.172	30.0	4.68	8.59	6.32	0.656	0.411	0.106	---	---	5.81	1976
1977	---	---	0.146	4.46	1.18	0.182	0.023	0.016	0.042	0.047	---	---	6.28	1977
1978	---	---	0.056	6.93	2.60	0.170	1.51	0.141	0.107	0.139	---	---	0.752	1978
1979	---	---	0.154	16.0	32.5	6.59	0.533	0.090	0.015	0.063	---	---	1.45	1979
1980	---	---	0.132	6.82	0.668	0.115	0.062	0.062	0.063	0.163	---	---	6.99	1980
1981	---	---	0.837	3.53	0.883	0.241	0.139	0.267	0.065	0.834	---	---	0.994	1981
1982	---	---	0.106	5.20	1.69	0.457	0.141	0.078	0.035	0.166	---	---	0.845	1982
1983	---	---	0.050	7.24	5.87	2.39	1.49	0.566	0.046	0.086	---	---	0.986	1983
1984	---	---	0.829	6.61	3.02	4.70	0.327	0.062	0.003	0.179	---	---	2.20	1984
1985	---	---	0.107	18.8	5.18	0.512	0.049	0.020	0.007	0.126	---	---	1.94	1985
1986	---	---	0.594	13.3	2.25	0.458	0.559	0.027	0.009	0.116	---	---	3.06	1986
1987	---	---	0.271	10.4	1.09	0.380	0.170	0.143	0.020	0.119	---	---	2.14	1987
1988	---	---	0.210	15.1	8.71	0.861	0.018	0.004	0	0.003	---	---	1.54	1988
1989	---	---	0.021	1.25	0.290	0.412	0.370	0.058	0.224	0.312	---	---	3.00	1989
1990	---	---	0.079	7.05	2.42	0.427	0.107	0.014	0.002	0.001	---	---	0.363	1990
MEAN	---	---	0.213	9.41	8.43	3.83	1.63	0.663	0.466	0.465	1.72	---	1.25	MEAN

LOCATION - LAT 51 56 23 N
LONG 102 32 49 W

DRAINAGE AREA, 1 930 km²
NATURAL FLOW

2.64

ASSINIBOINE RIVER AT STURGIS - STATION NO. 05MC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	3.06 B ON APR 16	0 ON APR 01 *	---	1944
1945	---	7.70 B ON APR 03	0 ON AUG 28	---	1945
1946	---	9.23 B ON MAR 31	---	---	1946
1947	---	10.2 ON MAY 03	---	---	1947
1948	---	44.2 B ON APR 25	---	---	1948
1949	---	6.99 ON JUN 08	---	---	1949
1950	---	19.3 ON AUG 07	---	---	1950
1951	---	32.3 ON MAY 02	0 B ON APR 01	---	1951
1952	---	33.7 ON APR 11	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	73.1 ON MAY 06	---	---	1955
1956	---	61.7 ON MAY 13	---	---	1956
1957	---	49.6 ON APR 27	---	63 400	1957
1958	2.83 AT 11:00 CST ON APR 03	2.83 ON APR 03	0.028 ON AUG 06	8 050	1958
1959	---	1.19 ON OCT 31	0 ON JUL 20	6 030	1959
1960	---	39.4 ON APR 19	0 ON MAR 01	83 100	1960
1961	---	0.745 ON MAY 13	0 E ON MAR 01	2 250	1961
1962	---	24.6 ON APR 22	0 ON JUN 06	18 500	1962
1963	15.6 AT 17:00 CST ON APR 10	11.8 ON APR 10	0 ON MAR 01	12 000	1963
1965	56.9 AT 06:00 CST ON JUN 07	56.6 ON JUN 07	0 E ON MAR 01	105 000	1965
1966	47.6 AT 05:00 CST ON APR 16	46.4 ON APR 16	0.085 ON SEP 27	101 000	1966
1967	29.7 A AT 23:00 CST ON MAY 03	29.2 A ON MAY 03	0 ON JUL 29	61 800	1967
1968	9.51 AT 00:45 CST ON APR 11	6.82 ON APR 11	0 ON JUN 25	12 200	1968
1969	---	29.4 B ON APR 14	0 ON SEP 20	26 000	1969
1970	30.9 AT 18:00 CST ON APR 29	30.6 ON APR 29	0.022B ON MAR 01	65 700	1970
1971	81.0 AT 08:42 CST ON APR 28 *	78.7 ON APR 18	0 ON SEP 21	81 700	1971
1972	101 AT 20:32 CST ON APR 28 *	100 ON APR 28 *	0.028E ON OCT 04	150 000	1972
1973	11.8 AT 22:41 CST ON JUL 09	11.7 ON JUL 09	0.028E ON SEP 11	54 200	1973
1974	50.1 AT 00:13 CST ON MAY 26	49.6 ON MAY 26	0.074E ON AUG 22	156 000	1974
1975	69.7 AT 24:00 CST ON APR 30	69.4 ON APR 30	0.164 ON AUG 08	123 000	1975
1976	88.9 AT 01:21 CST ON APR 14	88.1 ON APR 14	0.028E ON SEP 29	133 000	1976
1977	16.0 AT 15:15 CST ON APR 13	13.5 ON APR 14	0.009E ON AUG 09	15 900	1977
1978	21.9 AT 12:47 CST ON APR 20	20.4 B ON APR 20	0.031 ON JUN 27	30 600	1978
1979	72.3 AT 11:43 CST ON APR 28	72.0 ON APR 28	0.010E ON SEP 12	148 000	1979
1980	23.4 AT 07:14 CST ON APR 15	22.6 ON APR 16	0.019E ON JUL 30	21 000	1980
1981	7.11 AT 21:20 CST ON APR 06	6.77 ON APR 06	0.040E ON SEP 25	17 900	1981
1982	13.1 B AT 12:00 CST ON APR 21	12.5 B ON APR 22	0.025 ON SEP 24	20 900	1982
1983	45.2 AT 04:56 CST ON APR 25	42.1 ON APR 25	0.006 ON SEP 26	46 700	1983
1984	12.2 B AT 01:13 CST ON APR 06	11.7 ON APR 08	0.001E ON AUG 30	41 200	1984
1985	39.9 AT 10:40 CST ON APR 23	39.5 ON APR 23	0.001E ON AUG 11	64 800	1985
1986	37.3 AT 02:15 CST ON APR 08	33.9 ON APR 08	0.004A ON AUG 17	45 300	1986
1987	38.8 AT 03:51 CST ON APR 08	34.4 ON APR 08	0.013 ON SEP 16	32 700	1987
1988	32.8 B AT 17:11 CST ON APR 08	29.8 B ON APR 08	0 E ON SEP 02	65 300	1988
1989	1.99B AT 21:15 CST ON APR 19	1.72 B ON APR 20	0.013B ON MAR 01	7 690	1989
1990	14.1 B AT 14:48 CST ON APR 08	12.6 B ON APR 08	0.001 ON AUG 20	26 400	1990
				56 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

AVONLEA CREEK NEAR ROULEAU - STATION NO. 05JE005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0	0	0	0	---	---	---	---	---	---	---	1945
1946	---	---	2.75	0.039	0	0	---	---	---	---	---	---	---	1946
1947	---	---	0	6.59	0.340	0.194	---	---	---	---	---	---	---	1947
1948	---	---	0	7.72	2.61	0.191	---	---	---	---	---	---	---	1948
1949	---	---	0	1.13	0	0.018	---	---	---	---	---	---	---	1949
1950	---	---	0.018	4.48	0.901	0.046	---	---	---	---	---	---	---	1950
1951	---	---	0	3.02	2.32	0.038	---	---	---	---	---	---	---	1951
1952	---	---	0.099	5.41	0.074	0.068	---	---	---	---	---	---	---	1952
1953	---	---	0.464	0.211	0.546	10.4	---	---	---	---	---	---	---	1953
1969	---	---	0	9.10	1.21	0.031	0.339	0.053	0	0.407	---	---	1.37	1969
1970	---	---	0.086	4.85	7.89	1.10	0.199	0.004	0	0.154	---	---	1.78	1970
1971	---	---	0.612	6.67	0.486	0.204	0.653	0.077	0	0.179	---	---	1.10	1971
1972	---	---	4.14	0.585	2.42	0.323	0.140	0.124	0	0	---	---	0.974	1972
1973	---	---	0.011	0.017	0.050	0.057	0.011	0.001	0	0.020	---	---	0.021	1973
1974	---	---	0	17.3	4.47	0.513	0.187	1.40	0.015	0.030	---	---	2.96	1974
1975	---	---	0.033	11.0	4.48	0.682	0.131	0.063	0.013	0.013	---	---	2.03	1975
1976	---	---	6.32	11.7	0.296	0.790	0.595	0.091	0.004	0.333	---	---	2.50	1976
1977	---	---	0.013	0.034	0.080	0.097	0.045	0	0	0	---	---	0.034	1977
1978	---	---	1.75	1.39	0.297	0.060	0.123	0.040	0.008	0.014	---	---	0.459	1978
1979	---	---	0.665	8.42	5.08	0.252	0.641	0.017	0.001	0	---	---	1.87	1979
1980	---	---	0.112	0.583	0.026	0.055	0.031	0.030	0	0.002	---	---	0.104	1980
1981	---	0.035	0.003	0.002	0.005	0.033	0.186	0.071	0	0.003	---	---	0.038	1981
1982	---	---	0.044	10.1	0.851	0.416	4.52	0.053	0.006	0.002	---	---	1.98	1982
1983	---	0.166	0.365	7.47	0.812	0.082	0.076	0.019	0	0	---	---	1.09	1983
1984	---	---	0.017	0.059	0	0.049	0.058	0	0	0	---	---	0.023	1984
1985	---	---	1.03	0.080	0.026	0.078	0.175	0.076	0.022	0.005	---	---	0.188	1985
1986	---	0.079	1.42	0.004	0.892	0.071	0.053	0.043	0.006	0.001	---	---	0.315	1986
1987	---	0.009	0.032	0.012	0.044	0.079	0.223	0.011	0	0	---	---	0.050	1987
1988	---	---	0	0.002	0.002	0.012	0.008	0	0	0	---	---	0.003	1988
1989	---	---	0.101	0.011	0.009	0.020	0.196	0.200	0.015	0	---	---	0.070	1989
1990	---	---	0.042	0.032	0.005	0.062	0.075	0.020	0	0	---	---	0.029	1990
MEAN	---	0.072	0.629	3.69	1.13	0.501	0.394	0.109	0.004	0.053	---	---	0.863	MEAN

LOCATION - LAT 50 02 50 N DRAINAGE AREA, 955 km²
LONG 104 59 27 W REGULATED

REMARKS - RECORDS COLLECTED IN SE05-14-22-W2, ABOUT 9.6 KM DOWNSTREAM FOR THE PERIODS 1944-53 AND 1968-70

AVONLEA CREEK NEAR ROULEAU - STATION NO. 05JE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	0 ON MAR 01 *	---	1944
1945	---	---	0 ON MAR 01	---	1945
1946	---	9.77 E ON MAR 19	0 ON MAR 01	---	1946
1947	---	13.7 ON APR 05	0 B ON MAR 01	---	1947
1948	---	25.9 ON APR 19	0 B ON MAR 01	---	1948
1949	---	5.80 ON APR 05	0 B ON MAR 01	---	1949
1950	---	26.6 ON APR 18	0 B ON MAR 01	---	1950
1951	---	9.26 ON MAY 01	0 B ON MAR 01	---	1951
1952	---	16.5 ON APR 04	0 B ON MAR 01	---	1952
1953	---	30.6 ON JUN 26	0 B ON MAR 01	---	1953
1969	---	28.3 ON APR 10	0 B ON MAR 01	29 000	1969
1970	---	30.9 ON MAY 06	0 B ON MAR 01	37 700	1970
1971	28.3 AT 01:30 CST ON APR 09	26.4 ON APR 09	0 B ON MAR 01	23 200	1971
1972	26.7 B AT 21:30 CST ON MAR 17	25.0 B ON MAR 17	0 B ON MAR 01	20 600	1972
1973	---	0.241 ON JUN 04	0 B ON MAR 01	445	1973
1974	54.4 AT 20:26 CST ON APR 19	51.3 ON APR 19	0 B ON MAR 01	62 600	1974
1975	38.8 AT 22:20 CST ON APR 21	37.9 ON APR 21	0 B ON MAR 01	43 100	1975
1976	35.7 AT 17:33 CST ON APR 02	35.1 ON APR 02	0 B ON MAR 01	52 800	1976
1977	2.42 AT 04:38 CST ON JUL 11	0.867 ON MAY 19	0 B ON MAR 01	709	1977
1978	14.9 B AT 22:55 CST ON MAR 28	13.6 B ON MAR 28	0 B ON MAR 01	9 720	1978
1979	35.2 AT 17:57 CST ON APR 20	34.4 ON APR 20	0 B ON MAR 01	39 600	1979
1980	2.43 AT 19:44 CST ON APR 04	1.91 ON APR 04	0 B ON MAR 01	2 190	1980
1981	0.521B AT 00:00 CST ON FEB 18	0.485 ON JUL 25	0 ON APR 03	810	1981
1982	55.9 B AT 15:20 CST ON APR 15 *	51.9 B ON APR 15 *	0 B ON MAR 01	41 900	1982
1983	19.2 AT 21:33 CST ON APR 10	18.9 ON APR 11	0 ON JUN 17	23 000	1983
1984	0.694 AT 06:55 CST ON APR 23	0.584 ON APR 23	0 B ON MAR 01	480	1984
1985	6.74 B AT 13:41 CST ON MAR 19	5.02 B ON MAR 20	0.002 ON SEP 20	3 980	1985
1986	7.47 B AT 16:59 CST ON MAR 02	6.11 B ON MAR 02	0 ON AUG 27	6 670	1986
1987	7.85 AT 05:26 CST ON JUL 30	3.49 ON JUL 30	0 B ON MAR 01	1 070	1987
1988	0.094 AT 11:46 CST ON JUN 08	0.072 ON JUN 08	0 B ON MAR 01	61.7	1988
1989	3.76 B AT 01:43 CST ON MAR 26	1.72 B ON MAR 26	0 B ON MAR 01	1 470	1989
1990	0.612B AT 08:36 CST ON MAR 30	0.293B ON MAR 30	0 ON MAY 06	623	1990
				18 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BADGER DITCH NEAR CONSUL - STATION NO. 11AB026

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	0	0	0.006	0	0	0	0	0	---	---	0.001	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
MEAN	---	---	0	0	0.001	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 07 20 N
LONG 109 25 20 W REGULATED

BADGER DITCH NEAR CONSUL - STATION NO. 11AB026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	0 ON MAR 19 *	---	1920
1921	---	0 ON MAR 01	0 ON MAR 01	0	1921
1922	---	0.059 ON MAY 03 *	0 ON MAR 01	15.3	1922
1923	---	0 ON MAR 01	0 ON MAR 01	0	1923
1924	---	0 ON MAR 01	0 ON MAR 01	0	1924
1925	---	0 ON MAR 01	0 ON MAR 01	0	1925
1926	---	0 ON MAR 01	0 ON MAR 01	0	1926
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1.70	MEAN

BALLANTYNE RIVER ABOVE BALLANTYNE BAY - STATION NO. 05KF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	1.40	1.56	20.2	30.7	11.9	6.18	1.99	3.39	---	---	---	1967
1968	---	---	0.666	3.33	13.9	17.5	7.57	3.23	18.5	11.1	---	---	---	1968
1969	---	---	1.44	16.5	9.14	6.10	2.55	1.49	2.01	10.8	---	---	---	1969
1970	---	---	---	---	---	19.0	37.0	18.3	9.94	7.83	---	---	---	1970
1971	---	---	2.97	17.8	14.3	12.2	19.3	5.92	2.85	3.93	---	---	---	1971
1972	---	---	1.17	9.54	33.8	6.53	3.13	2.61	7.45	16.4	4.43	1.80	---	1972
1973	1.41	0.962	0.803	7.22	34.9	54.2	25.6	8.04	11.3	8.32	6.16	3.93	13.6	1973
1974	3.09	2.85	3.33	4.43	30.8	22.1	134	19.7	16.9	14.6	9.97	5.29	22.5	1974
1975	2.40	2.26	5.68	7.92	27.1	18.0	6.70	4.32	4.57	3.83	1.84	0.988	7.16	1975
1976	0.936	1.20	0.741	5.46	4.61	5.13	14.5	5.54	2.95	3.73	0.844	0.378	3.85	1976
1977	0.243	0.189	0.199	5.79	18.7	---	---	---	9.17	10.9	3.25	1.16	---	1977
1978	0.913	0.506	0.838	3.22	10.9	11.4	8.35	12.6	15.0	10.7	5.57	2.73	6.93	1978
1979	1.36	0.772	1.34	5.03	25.8	19.8	8.27	4.61	22.7	13.5	8.55	3.35	9.61	1979
1980	1.88	1.78	1.58	8.10	6.33	2.68	3.29	5.87	14.4	13.8	4.63	1.67	5.50	1980
1981	1.31	0.953	1.59	4.12	9.75	8.76	6.61	1.89	1.40	2.08	1.44	1.73	3.49	1981
1982	0.837	0.156	0.238	1.28	14.4	16.2	9.94	13.8	6.87	8.21	5.95	2.16	6.72	1982
1983	2.04	1.77	2.16	9.19	26.6	33.9	17.9	5.37	17.3	11.8	6.98	2.54	11.5	1983
1984	1.94	2.38	3.12	17.1	24.6	22.8	10.0	4.00	6.10	8.64	6.73	3.70	9.25	1984
1985	2.48	2.13	3.16	23.0	44.2	21.6	14.4	15.6	9.82	7.69	3.59	0.903	12.4	1985
1986	1.23	1.61	2.62	5.80	31.2	11.7	7.21	9.36	4.20	9.49	3.33	2.31	7.57	1986
1987	2.14	2.24	2.29	17.5	13.9	7.92	9.57	6.22	4.37	4.33	3.15	1.60	6.28	1987
1988	1.22	0.946	1.28	6.22	24.4	5.62	6.88	6.94	5.68	3.50	2.22	1.26	5.54	1988
1989	0.597	0.629	0.680	6.78	15.1	8.87	6.35	1.79	3.90	4.18	1.84	1.02	4.33	1989
1990	0.499	0.363	0.443	5.06	29.9	12.9	9.03	3.09	1.87	3.42	2.11	1.09	5.86	1990
MEAN	1.47	1.32	1.73	8.35	21.1	16.3	16.5	7.24	8.40	8.17	4.35	2.08	8.36	MEAN

LOCATION - LAT 54 33 40 N DRAINAGE AREA, 1 870 km^2
LONG 103 56 30 W NATURAL FLOW

BALLANTYNE RIVER ABOVE BALLANTYNE BAY - STATION NO. 05KF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	127 AT 04:30 MST ON JUL 02	121 ON JUL 02	---	---	1970
1971	---	39.6E ON APR 23	---	---	1971
1972	---	79.9 ON MAY 01	---	---	1972
1973	158 AT 23:51 CST ON JUN 05	140 ON JUN 06	0.445B ON MAR 18	429 000	1973
1974	1 840 A AT 22:00 CST ON JUL 11 *	1 170 A ON JUL 12 *	2.80 B ON FEB 05	711 000	1974
1975	---	34.0E ON MAY 04	0.934B ON DEC 10	226 000	1975
1976	41.3 AT 08:28 CST ON JUL 16	41.1 ON JUL 16	0.311B ON DEC 31	122 000	1976
1977	---	---	0.173B ON MAR 05	---	1977
1978	27.2 AT 08:32 CST ON AUG 26	26.7 ON AUG 26	0.402B ON FEB 08	218 000	1978
1979	51.0 AT 17:24 CST ON MAY 18	49.9 ON MAY 19	0.659B ON FEB 19	303 000	1979
1980	27.0 AT 21:43 CST ON SEP 17	26.6 ON SEP 17	0.816B ON DEC 23	174 000	1980
1981	16.3 AT 14:55 CST ON JUN 24	15.7 ON JUN 24	0.510B ON FEB 14	110 000	1981
1982	33.6 AT 20:00 CST ON JUN 07	32.7 ON JUN 07	0.074B ON FEB 04 *	212 000	1982
1983	80.7 AT 21:40 CST ON JUN 04	76.6 ON JUN 05	1.25 B ON DEC 24	362 000	1983
1984	48.6 AT 03:58 CST ON MAY 23	48.1 ON MAY 23	1.56 B ON JAN 14	293 000	1984
1985	93.9 AT 20:38 CST ON MAY 06	91.0 ON MAY 07	0.608B ON DEC 03	392 000	1985
1986	67.4 AT 19:40 CST ON MAY 16	65.8 ON MAY 16	0.905B ON JAN 01	239 000	1986
1987	35.4 AT 00:31 CST ON APR 23	34.6 ON APR 22	1.40 B ON DEC 31	198 000	1987
1988	36.4 AT 14:58 CST ON MAY 01	35.9 ON MAY 01	0.560B ON DEC 31	175 000	1988
1989	22.6 AT 15:54 CST ON MAY 26	22.4 ON MAY 26	0.504B ON MAR 19	137 000	1989
1990	52.0 AT 07:09 CST ON MAY 07	51.3 ON MAY 07	0.302B ON FEB 24	185 000	1990
				254 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BARRIER RIVER BELOW BARRIER LAKE - STATION NO. 05LA006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	0	1.16	1.40	0.768	0.119	0.009	0.052	0.134	---	---	0.453	1977
1978	---	---	0	3.24	2.06	0.167	0.005	0.031	0.050	0.020	---	---	0.690	1978
1979	---	---	0	2.15	13.5	4.70	0.944	0.020	0.001	0.001	---	---	2.67	1979
1980	---	---	0.020	2.08	1.56	0.026	0	0.006	0.002	0	---	---	0.459	1980
1981	---	---	0.009	0.469	0.953	0.002	0.011	0.006	0.003	0.016	---	---	0.184	1981
1982	---	---	0.055	2.09	1.62	1.09	0.027	0.007	0	0	---	---	0.605	1982
1983	---	---	0.118	1.12	2.39	0.402	0.898	0.199	0.063	0.027	---	---	0.653	1983
1984	---	---	0.107	1.71	2.51	3.83	0.708	0.011	0.001	0.021	---	---	1.10	1984
1985	---	---	0.148	10.3	8.08	1.94	0.441	0.075	0.058	0.047	---	---	2.62	1985
1986	---	---	0.098	4.93	1.73	0.090	0.025	0.038	0	0	---	---	0.853	1986
MEAN	---	---	0.056	2.92	3.58	1.30	0.318	0.040	0.023	0.027	---	---	1.03	MEAN

LOCATION - LAT 52 32 58 N
LONG 103 41 10 W
DRAINAGE AREA, 1 340 km^2

BARRIER RIVER BELOW BARRIER LAKE - STATION NO. 05LA006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	2.29 ON APR 22	0 B ON MAR 01 *	9 390	1977
1978	8.50 AT 14:26 CST ON APR 24	8.44 ON APR 24	0 B ON MAR 01	14 600	1978
1979	26.7 AT 20:14 CST ON MAY 02	26.5 ON MAY 02	0 B ON MAR 01	56 500	1979
1980	5.29B AT 07:26 CST ON APR 26	5.22 ON APR 25	0 ON JUN 26	9 730	1980
1981	2.09 AT 22:51 CST ON MAY 02	2.03 ON MAY 03	0 B ON MAR 01	3 890	1981
1982	5.58 AT 17:38 CST ON APR 24	5.39 ON APR 24	0 ON AUG 16	12 800	1982
1983	4.43 AT 10:16 CST ON APR 26	4.29 ON APR 27	0.002 ON JUN 24	13 800	1983
1984	5.80 AT 16:23 CST ON JUN 10	5.65 ON JUN 10	0 ON AUG 11	23 400	1984
1985	27.4 AT 02:24 CST ON APR 24 *	27.1 ON APR 24 *	0.015 ON SEP 13	55 500	1985
1986	9.55 AT 10:17 CST ON APR 11	9.38 ON APR 11	0 ON SEP 01	18 100	1986
				21 800	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BARRIER RIVER NEAR MCKAGUE - STATION NO. 05LA002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	1.72	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	1.80	1.88	---	---	---	---	---	---	---	---	1965
1966	---	---	---	2.62	2.84	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	---	1.67	---	---	---	---	---	---	---	1967
1969	---	---	---	2.45	---	---	---	---	---	---	---	---	---	1969
1971	---	---	---	1.08	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	---	2.60	4.76	2.55	0.761	---	---	---	---	---	1973
1974	---	---	---	---	6.94	---	1.05	---	---	---	---	---	---	1974
1975	---	---	0	2.16	7.71	2.93	0.953	0.044	0	0	---	---	1.73	1975
1976	---	---	0.113	3.88	2.01	1.61	1.50	0.421	0.054	0	---	---	1.19	1976
MEAN	---	---	0.057	2.24	4.00	2.74	1.51	0.409	0.027	0	---	---	1.46	MEAN

LOCATION - LAT 52 34 17 N DRAINAGE AREA, 1 090 km²
LONG 104 01 45 W NATURAL FLOW

BARRIER RIVER NEAR MCKAGUE - STATION NO. 05LA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1971	---	---	---	---	1971
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	16.6 ON MAY 01 *	0B ON MAR 01 *	36 500	1975
1976	---	8.16 ON APR 13	0 ON SEP 29	25 200	1976
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		30 900	MEAN

BARRIER RIVER OVERFLOW - STATION NO. 05LA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	0.595	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	2.29	0.797	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	---	0	0.007	---	---	---	---	---	---	1973
1974	---	---	---	---	2.24	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.84	1.75	0.044	0	0	0	0	---	---	0.452	1975
1976	---	---	0	2.11	0.009	0.031	0.005	0.001	0	0	---	---	0.264	1976
1977	---	---	0	0.278	0.216	0.075	0	0	0	0	---	---	0.071	1977
1978	---	---	0	0.850	0.060	0	0	0	0	0	---	---	0.112	1978
1979	---	---	0	4.04	3.53	0.303	0	0	0	0	---	---	0.978	1979
MEAN	---	---	0	1.71	1.23	0.076	0.002	0	0	0	---	---	0.375	MEAN

LOCATION - LAT 52 37 53 N
LONG 104 31 29 W NATURAL FLOW

BARRIER RIVER OVERFLOW - STATION NO. 05LA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	11.9 ON APR 30	0B ON MAR 01 *	9 580	1975
1976	---	8.92 ON APR 09	0B ON MAR 01	5 590	1976
1977	---	1.61B ON APR 09	0B ON MAR 01	1 490	1977
1978	---	3.23B ON APR 10	0B ON MAR 01	2 370	1978
1979	---	19.4 ON APR 28 *	0B ON MAR 01	20 700	1979
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 950	MEAN

BARROBY DITCH NEAR RAVENSCRAG - STATION NO. 11AC032

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1922	---	---	---	---	---	---	---	---	---	---	---	---	---	1922
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 30 40 N
LONG 109 02 20 W REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-24

BARROBY DITCH NEAR RAVENSCRAG - STATION NO. 11AC032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 01 *	0 ON MAR 01 *	0	1915
1922	---	---	0 ON JUN 22	---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

BATE CREEK AT BATE'S RANCH - STATION NO. 11AC024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.010	0.008	0.001	0.001	0.005	0.005	---	---	---	1914
1915	---	---	---	0.023	0.009	0.010	0.008	0.003	0.007	0.009	---	---	---	1915
1916	---	---	---	0.032	0.026	0.019	0.167	0.004	0.007	0.015	---	---	---	1916
MEAN	---	---	---	0.028	0.015	0.012	0.059	0.003	0.006	0.010	---	---	---	MEAN

LOCATION - LAT 49 27 10 N DRAINAGE AREA, 22 km^2
LONG 108 08 50 W REGULATED

BATE CREEK AT BATE'S RANCH - STATION NO. 11AC024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
				---	MEAN

BATE SOUTH DITCH - STATION NO. 11AC034

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	0	0	0	0	0.001	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0.001	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0.001	0	0	---	---	0	1920
1921	---	---	0	0	0	0	0	0.001	0	0	---	---	0	1921
1922	---	---	0	0	0	0.001	0.001	0.001	0.001	0	---	---	0.001	1922
1923	---	---	0	0	0.001	0	0.001	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0.002	0.002	0.001	0	---	---	0.001	1924
1925	---	---	0	0	0	0	0.001	0.001	0.001	0	---	---	0	1925
1926	---	---	0	0	0	0	0.001	0.001	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0.001	0	0	---	---	0	1927
1928	---	---	0	0	0.001	0	0	0.001	0.001	0	---	---	0	1928
1929	---	---	0	0	0	0	0.001	0.001	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0.002	0.004	0	0	---	---	0.001	1930
MEAN	---	---	0	0	0	0	0.001	0.001	0	0	---	---	0	MEAN

LOCATION - LAT 49 27 00 N
LONG 108 09 00 W REGULATED

BATE SOUTH DITCH - STATION NO. 11AC034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---				
1919	---	0.001 ON MAY 23	0 ON MAR 01 *		
		0.001 ON JUN 22	0 ON MAR 01	3.72	1918
1920	---			3.89	1919
1921	---	0.001 ON JUN 04	0 ON MAR 01		
1922	---	0.001 ON JUL 21	0 ON MAR 01	3.37	1920
1923	---	0.001 ON JUN 01	0 ON MAR 01	2.33	1921
1924	---	0.006E ON MAY 24 *	0 ON MAR 01	11.5	1922
		0.006E ON JUL 20	0 ON MAR 01	5.96	1923
1925	---			13.0	1924
1926	---	0.001E ON JUN 25	0 ON MAR 01		
1927	---	0.001E ON JUL 01	0 ON MAR 01	7.17	1925
1928	---	0.001 ON JUL 24	0 ON MAR 01	5.36	1926
1929	---	0.001E ON MAY 07	0 ON MAR 01	3.37	1927
		0.001E ON JUL 01	0 ON MAR 01	5.44	1928
1930	---			5.36	1929
		0.005 ON JUL 18	0 ON MAR 01	16.0	1930
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6.65	MEAN

BATTLE CREEK ABOVE CYPRESS LAKE WEST INFLOW CANAL - STATION NO. 11AB076

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	1.83	1.42	0.645	0.794	0.229	0.012	0.004	0.035	---	---	0.620	1939
1940	---	---	0.105	6.22	1.61	0.775	0.411	0.116	0.042	0.164	---	---	1.17	1940
1941	---	---	2.14	1.14	0.382	0.518	0.851	0.035	0.028	0.115	---	---	0.652	1941
1942	---	---	0.325	2.87	0.773	3.22	1.00	0.436	0.305	0.332	---	---	1.15	1942
1943	---	---	3.27	3.67	0.805	0.737	0.166	0.025	0.042	0.019	---	---	1.09	1943
1944	---	---	0.398	1.67	0.303	0.228	0.029	0.001	0.002	0.096	---	---	0.337	1944
1945	---	---	1.02	0.826	0.340	0.048	0.055	0	0.001	0.059	---	---	0.293	1945
1946	---	---	1.44	1.03	0.361	0.239	0.046	0.002	0.026	0.272	---	---	0.426	1946
1947	---	---	0.136	2.58	0.989	0.472	0.178	0.079	0.126	0.204	---	---	0.590	1947
1948	---	---	0.004	4.86	2.44	0.641	0.164	0.041	0.011	0.038	---	---	1.02	1948
1949	---	---	0.110	0.984	0.201	0.071	0.029	0.009	0	0.024	---	---	0.177	1949
1950	---	---	0.033	3.10	0.614	0.160	0.061	0.122	0.081	0.107	---	---	0.528	1950
1951	---	---	0.043	4.47	3.91	1.19	0.520	0.241	0.631	0.587	---	---	1.44	1951
1952	---	---	0.238	19.5	2.72	0.708	0.477	0.161	0.176	0.245	---	---	2.99	1952
1953	---	---	0.477	1.79	5.30	7.00	1.02	0.469	0.383	0.470	---	---	2.10	1953
1954	---	---	0.635	2.97	2.51	1.94	0.661	0.865	0.764	1.02	---	---	1.42	1954
1955	---	---	0.868	11.0	8.68	2.29	3.13	0.895	0.812	0.834	---	---	3.55	1955
1956	---	---	0.778	2.57	1.83	0.766	0.826	0.445	0.399	0.536	---	---	1.02	1956
1957	---	---	0.418	3.92	3.08	0.727	0.293	0.231	0.160	0.302	---	---	1.14	1957
1958	---	---	0.575	4.24	0.591	0.267	0.484	0.025	0.066	0.193	---	---	0.796	1958
1959	---	---	0.489	3.13	1.02	0.567	0.424	0.019	0.170	0.317	---	---	0.761	1959
1960	---	---	3.22	1.89	2.09	0.555	0.182	0.087	0.064	0.108	---	---	1.03	1960
1961	---	---	0.453	0.247	0.278	0.152	0.023	0.001	0.003	0.053	---	---	0.151	1961
1962	---	---	0.227	0.772	0.240	0.213	0.203	0.032	0.051	0.137	---	---	0.233	1962
1963	---	---	0.826	1.03	0.390	0.266	0.738	0.109	0.038	0.079	---	---	0.437	1963
1964	---	---	0.164	0.870	2.29	0.514	0.204	0.041	0.322	0.254	---	---	0.582	1964
1965	---	---	0.256	7.67	2.82	3.68	2.29	0.371	1.12	0.731	---	---	2.34	1965
1966	---	---	3.40	3.40	1.90	1.13	0.539	0.421	0.341	0.443	---	---	1.45	1966
MEAN	---	---	0.853	3.57	1.75	1.07	0.545	0.189	0.220	0.278	---	---	1.05	MEAN

LOCATION - LAT 49 25 44 N LONG 109 41 02 W DRAINAGE AREA, 658 km^2 NATURAL FLOW INTERNATIONAL GAUGING STATION

BATTLE CREEK ABOVE CYPRESS LAKE WEST INFLOW CANAL - STATION NO. 11AB076

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	6.65 B ON MAR 22	0 ON AUG 18 *	13 100	1939
1940	41.3 AT 10:00 MST ON APR 23	33.1 ON APR 23	0.014 ON SEP 03	24 700	1940
1941	10.7 AT 01:30 MST ON JUL 01	9.26 ON JUL 01	0.008 ON SEP 06	13 800	1941
1942	---	19.8 E ON JUN 26	0.181 ON SEP 15	24 300	1942
1943	---	23.1 B ON MAR 30	0.006 ON AUG 31	23 000	1943
1944	---	4.42 B ON APR 06	0 ON JUL 29	7 140	1944
1945	9.74 AT 18:00 MST ON MAR 28	6.09 ON MAR 28	0 ON JUN 18	6 210	1945
1946	16.2 AT 13:00 MST ON MAR 29	11.6 ON MAR 29	0 ON AUG 15	9 020	1946
1947	12.7 B AT 14:00 MST ON APR 14	10.5 B ON APR 14	0 B ON MAR 01	12 500	1947
1948	23.1 AT 22:00 MST ON APR 24	19.6 ON APR 24	0 B ON MAR 01	21 500	1948
1949	3.00 AT 08:00 MST ON APR 10	1.81 B ON APR 08	0 B ON MAR 01	3 740	1949
1950	16.7 AT 15:30 MST ON APR 22	13.8 ON APR 22	0.014 ON SEP 06	11 200	1950
1951	27.3 AT 19:30 MST ON APR 29	25.3 ON APR 29	0.028B ON MAR 01	30 500	1951
1952	---	79.0 E ON APR 14 *	0.034 ON AUG 25	63 200	1952
1953	66.8 AT 11:30 MST ON JUN 05 *	47.0 ON JUN 05	0.280 ON AUG 31	44 500	1953
1954	10.6 AT 06:30 MST ON MAY 08	7.76 ON MAY 08	0.210 ON AUG 01	30 000	1954
1955	36.2 B AT 14:30 MST ON APR 11	27.8 B ON APR 11	0.283B ON APR 04	75 100	1955
1956	5.64B AT 12:00 MST ON APR 16	4.33 B ON APR 15	0.235 ON SEP 17	21 500	1956
1957	20.7 AT 17:00 MST ON MAY 02	18.4 ON MAY 01	0.113 ON JUL 27	24 000	1957
1958	13.5 B AT 10:00 MST ON APR 01	11.0 ON APR 05	0.011 ON AUG 17	16 800	1958
1959	8.64 AT 07:00 MST ON APR 15	6.91 ON APR 15	0 ON AUG 05	16 100	1959
1960	16.8 B AT 22:30 MST ON MAR 20	12.2 B ON MAR 21	0.040 ON SEP 06	21 800	1960
1961	1.87 AT 02:00 MST ON MAR 31	0.934 ON MAR 31	0 ON AUG 06	3 210	1961
1962	---	2.10 B ON APR 07	0.008 ON AUG 21	4 930	1962
1963	---	7.16 B ON MAR 30	0.023 ON SEP 08	9 250	1963
1964	12.0 AT 07:00 MST ON MAY 09	9.20 ON MAY 09	0.023 ON AUG 18	12 300	1964
1965	38.5 AT 21:00 MST ON APR 26	31.1 ON APR 27	0.204B ON APR 05	49 600	1965
1966	22.4 AT 21:00 MST ON APR 01	20.3 ON APR 01	0.176 ON AUG 18	30 600	1966
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		22 300	MEAN

BATTLE CREEK ABOVE CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO. 11AB100

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	1.56	0.514	0.203	0.008	0.301	0.200	---	---	---	1964
1965	---	---	---	---	1.82	1.96	0.694	0.383	0.602	0.609	---	---	---	1965
1966	---	---	---	---	0.938	0.994	0.415	0.369	0.283	0.529	---	---	---	1966
1967	---	---	0.361	0.595	13.9	1.95	0.452	0.028	0.324	0.420	---	---	2.27	1967
1968	---	---	0.676	1.11	1.03	0.610	0.355	0.162	0.299	0.516	---	---	0.619	1968
1969	---	---	0.359	0.351	1.12	0.374	0.203	0.067	0.028	0.303	---	---	0.352	1969
1970	---	---	0.363	0.702	4.79	1.09	0.779	0.175	0.212	0.301	---	---	1.06	1970
1971	---	---	0.380	1.14	1.92	0.482	0.619	0.079	0.130	0.302	---	---	0.631	1971
1972	---	---	1.08	0.683	0.433	0.156	0.236	0.168	0.167	0.307	---	---	0.404	1972
1973	---	---	0.589	0.625	0.259	0.185	0.172	0.082	0.074	0.140	---	---	0.266	1973
1974	---	---	0.193	0.207	0.686	0.379	0.195	0.150	0.132	0.221	---	---	0.271	1974
1975	---	---	0.281	0.328	1.46	1.74	0.722	0.485	0.242	0.690	---	---	0.743	1975
1976	---	---	0.780	0.670	0.405	0.257	0.233	0.224	0.134	0.376	---	---	0.385	1976
1977	---	---	0.354	0.436	0.163	0.128	0.127	0.036	0.062	0.147	---	---	0.181	1977
1978	---	---	0.201	0.087	0.338	0.451	0.179	0.158	0.392	0.230	---	---	0.254	1978
1979	---	---	0.463	0.803	1.53	0.489	0.255	0.146	0.187	0.291	---	---	0.521	1979
1980	---	---	0.246	0.696	0.151	0.271	0.172	---	---	---	---	---	---	1980
MEAN	---	---	0.466	0.602	1.91	0.708	0.354	0.170	0.223	0.349	---	---	0.612	MEAN

LOCATION - LAT 49 27 53 N DRAINAGE AREA, 756 km^2
LONG 109 36 04 W REGULATED

BATTLE CREEK ABOVE CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO. 11AB100

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	96.0 AT 07:00 MST ON MAY 19 *	77.9 ON MAY 19 *	0.014 ON AUG 14	48 000	1967
1968	3.48 AT 09:30 MST ON MAY 06	2.59 ON MAY 07	0.011B ON MAR 03	13 100	1968
1969	2.08 AT 09:14 MST ON MAY 21	1.88 ON MAY 21	0 ON AUG 25 *	7 450	1969
1970	19.1 AT 22:05 MST ON MAY 06	17.2 ON MAY 07	0.074 ON AUG 21	22 400	1970
1971	4.06 AT 20:32 CST ON APR 27	3.21 ON APR 28	0.054 ON AUG 30	13 400	1971
1972	5.21B AT 10:35 CST ON MAR 14	2.89B ON MAR 15	0 ON SEP 10	8 560	1972
1973	2.71 AT 04:10 CST ON APR 21	1.29 ON APR 21	0.021 ON MAY 02	5 620	1973
1974	2.89 AT 16:06 CST ON MAY 27	1.69 ON MAY 22	0.028 ON AUG 11	5 730	1974
1975	6.20 AT 19:22 CST ON JUN 20	3.51 ON JUN 25	0.010 ON SEP 11	15 700	1975
1976	9.29B AT 11:28 CST ON MAR 19	4.67B ON MAR 19	0.022 ON JUN 16	8 150	1976
1977	4.90 AT 10:14 CST ON APR 09	2.82 ON APR 09	0.005 ON AUG 19	3 840	1977
1978	2.10B AT 16:31 CST ON APR 02	1.38 ON SEP 12	0.015B ON APR 07	5 370	1978
1979	7.25B AT 01:47 CST ON APR 20	3.21B ON APR 24	0.025B ON APR 14	11 000	1979
1980	---	1.62 ON APR 14	---	---	1980
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 900	MEAN

BATTLE CREEK ABOVE GAFF DITCH - STATION NO. 11AB003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	3.62	1.04	0.357	0.221	0.320	---	---	---	1909
1910	---	---	---	1.19	0.602	0.184	0.057	0.090	0.250	0.237	0.311	---	---	1910
1911	---	---	---	---	1.44	0.697	0.542	0.397	2.43	1.04	---	---	---	1911
1912	---	---	---	7.30	2.48	1.23	0.681	0.502	0.556	0.688	---	---	---	1912
1913	---	---	---	6.02	1.69	0.702	0.489	0.250	0.171	0.322	---	---	---	1913
1914	---	---	---	3.15	0.962	0.549	0.076	0.051	0.268	0.744	---	---	---	1914
1915	---	---	---	3.10	1.12	2.33	1.28	0.768	0.847	1.10	---	---	---	1915
1916	---	---	---	1.92	3.68	5.77	2.16	1.46	1.21	1.50	---	---	---	1916
1917	---	---	---	---	10.6	2.07	0.743	0.485	0.860	0.909	---	---	---	1917
1918	---	---	---	6.15	1.64	0.589	0.201	0.207	0.209	0.330	---	---	---	1918
1919	---	---	---	1.31	0.649	0.278	0.071	0.051	0.099	0.202	---	---	---	1919
1920	---	---	0.207	2.14	5.57	0.995	0.267	0.075	0.092	0.212	---	---	1.20	1920
1921	---	---	0.541	5.07	2.32	0.668	0.275	0.106	0.334	0.391	---	---	1.20	1921
1922	---	---	0.227	6.62	5.79	0.787	0.417	0.189	0.174	0.211	---	---	1.79	1922
1923	---	---	0.315	1.79	0.932	1.94	1.03	0.451	0.147	0.226	---	---	0.849	1923
1924	---	---	0.337	2.06	0.883	0.826	0.222	0.113	0.093	0.271	---	---	0.596	1924
1925	---	---	1.61	6.23	1.41	0.702	0.126	0.097	0.160	0.385	---	---	1.33	1925
1926	---	---	1.90	2.24	0.536	0.235	0.462	0.061	0.178	0.215	---	---	0.727	1926
1927	---	---	0.254	8.39	9.27	3.32	1.25	0.568	0.517	0.813	---	---	3.04	1927
1928	---	---	3.01	2.73	1.51	2.20	1.29	0.532	0.416	0.621	---	---	1.54	1928
1929	---	---	0.652	4.65	2.82	1.60	0.460	0.107	0.270	0.338	---	---	1.35	1929
1930	---	---	0.671	3.79	1.25	0.568	0.234	0.105	0.338	0.432	---	---	0.915	1930
1931	---	---	0.526	0.741	2.459	0.202	0.282	0.159	0.376	0.526	---	---	0.409	1931
1932	---	---	---	1.79	1.03	0.578	0.316	0.182	0.321	0.269	---	---	---	1932
1935	---	---	---	---	---	---	---	---	0.031	0.055	---	---	---	1935
1936	---	---	0.168	2.03	0.810	0.183	---	---	---	---	---	---	---	1936
1972	---	---	---	---	---	0.820	0.289	0.127	0.144	0.302	---	---	---	1972
1973	---	---	---	0.551	0.714	0.679	0.137	0.050	0.084	0.162	---	---	---	1973
1974	---	---	---	---	2.26	0.856	0.297	0.178	0.146	0.217	---	---	---	1974
1975	---	---	---	---	---	2.40	0.804	0.619	0.509	0.609	---	---	---	1975
1976	---	---	---	---	0.640	0.922	0.319	0.220	0.120	0.244	---	---	---	1976
MEAN	---	---	0.801	3.52	2.34	1.28	0.545	0.295	0.386	0.463	0.311	---	1.25	MEAN

LOCATION - LAT 49 25 53 N LONG 109 50 44 W DRAINAGE AREA, 520 km² REGULATED

BATTLE CREEK ABOVE GAFF DITCH - STATION NO. 11AB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	21.7 ON APR 11	---	---	1912
1913	---	20.8 ON APR 14	---	---	1913
1914	---	12.2 ON APR 14	---	---	1914
1915	---	16.6 ON APR 04	---	---	1915
1916	---	27.8 ON MAY 31	---	---	1916
1917	---	34.3 ON MAY 09	---	---	1917
1918	---	23.2 B ON MAR 27	---	---	1918
1919	---	2.21B ON APR 03	---	---	1919
1920	---	27.5 ON MAY 09	0.051 ON AUG 25	25 300	1920
1921	---	14.7 ON APR 15	0.022 ON AUG 29 *	25 500	1921
1922	---	29.2 ON APR 23	0.057B ON MAR 01	37 900	1922
1923	---	9.29 ON JUN 22	0.113 ON SEP 10	18 000	1923
1924	---	9.03B ON APR 07	0.025 ON SEP 04	12 600	1924
1925	---	19.1 ON APR 06	0.054 ON AUG 13	28 100	1925
1926	---	13.7 ON APR 12	0.040 ON JUL 29	15 400	1926
1927	---	47.3 ON APR 27 *	0.195B ON MAR 01	64 200	1927
1928	---	17.6 B ON MAR 23	0.255B ON MAR 01	32 500	1928
1929	---	26.2 ON APR 23	0.068 ON AUG 28	28 600	1929
1930	---	10.1 ON APR 07	0.054 ON AUG 10	19 400	1930
1931	---	1.98 ON MAR 21	0.102 ON JUL 30	8 670	1931
1932	---	3.06 ON APR 24	---	---	1932
1935	---	---	---	---	1935
1936	---	5.66B ON APR 11	---	---	1936
1972	---	---	---	---	1972
1973	2.66 AT 00:10 CST ON JUN 20	2.50 ON JUN 20	---	---	1973
1974	8.58 AT 19:56 CST ON MAY 26	7.48 ON MAY 26	0.057 ON AUG 03	---	1974
1975	---	---	---	---	1975
1976	13.0 A AT 22:20 CST ON APR 06 *	8.41 ON APR 07	0.076 ON SEP 04	---	1976
MEAN				26 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK AT ALBERTA BOUNDARY - STATION NO. 11AB117

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0.095	0.425	2.75	1.10	0.441	0.348	0.314	0.338	---	---	0.728	1975
1976	---	---	0.301	1.51	0.242	0.399	0.178	0.175	0.061	0.074	---	---	0.364	1976
1977	---	---	0.239	0.590	0.266	0.078	0.054	0.048	0.043	0.063	---	---	0.172	1977
1978	---	---	0.084	0.765	0.416	0.188	0.160	0.132	0.272	0.218	---	---	0.278	1978
1979	---	---	0.265	1.60	1.13	0.380	0.266	0.158	0.118	0.163	---	---	0.507	1979
1980	---	---	0.172	0.682	0.135	0.150	0.082	0.082	0.087	0.119	---	---	0.187	1980
1981	---	---	0.182	0.304	0.293	0.418	0.141	0.075	0.044	0.083	---	---	0.192	1981
1982	---	---	0.099	1.05	0.740	1.79	0.526	0.113	0.131	0.303	---	---	0.589	1982
1983	---	---	0.563	0.784	0.848	0.326	0.425	0.093	0.089	0.214	---	---	0.418	1983
1984	---	---	0.183	0.473	0.283	0.072	0.048	0.101	0.076	0.064	---	---	0.162	1984
1985	---	---	0.098	2.74	0.995	0.268	0.103	0.171	0.245	0.299	---	---	0.609	1985
1986	---	0.469	0.608	0.314	0.949	0.482	0.234	0.183	0.744	0.445	---	---	0.495	1986
1987	---	---	0.642	1.03	0.383	0.167	0.209	0.588	0.199	0.231	---	---	0.431	1987
1988	---	---	0.322	0.664	0.349	0.052	0.045	0.059	0.097	0.092	---	---	0.209	1988
1989	---	---	0.146	0.415	0.480	0.463	0.074	0.080	0.102	0.136	---	---	0.236	1989
1990	---	---	0.326	0.618	0.443	0.359	0.160	0.054	0.037	0.104	---	---	0.262	1990
MEAN	---	0.469	0.270	0.873	0.669	0.418	0.197	0.154	0.166	0.184	---	---	0.365	MEAN

LOCATION - LAT 49 38 55 N LONG 110 00 15 W DRAINAGE AREA, 111 km² NATURAL FLOW

BATTLE CREEK AT ALBERTA BOUNDARY - STATION NO. 11AB117

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	25.3 AT 21:59 CST ON MAY 07	14.8 ON MAY 08	0.057B ON MAR 11	15 400	1975
1976	14.8 AT 01:36 CST ON APR 01	7.65 ON APR 05	0.040 ON AUG 02	7 700	1976
1977	9.00 B AT 22:04 CST ON APR 07	3.65 B ON APR 08	0.022 ON AUG 01	3 640	1977
1978	11.0 AT 01:40 CST ON APR 27	6.46 ON APR 27	0.020B ON MAR 01	5 080	1978
1979	39.4 E AT 20:55 CST ON APR 17	19.8 B ON APR 17 *	0.087 ON AUG 21	10 700	1979
1980	7.77 B AT 01:00 CST ON APR 14	3.48 B ON APR 14	0.029 ON AUG 01	3 960	1980
1981	5.81 AT 18:53 CST ON JUN 14	3.29 ON JUN 14	0.006 ON JUL 05	4 060	1981
1982	23.0 AT 00:28 CST ON APR 24	10.7 ON APR 24	0.043 ON SEP 22	12 500	1982
1983	6.47 B AT 02:41 CST ON MAR 12	3.90 B ON MAR 12	0.010 ON AUG 31	8 850	1983
1984	0.769B AT 16:09 CST ON APR 10	0.749B ON APR 10	0.002 ON JUL 21 *	3 430	1984
1985	45.4 AT 22:06 CST ON APR 20 *	19.6 A ON APR 13	0.020 ON AUG 28	12 900	1985
1986	8.29 B AT 02:57 CST ON FEB 26	4.95 ON SEP 25	0.151 ON AUG 27	10 500	1986
1987	9.42 B AT 21:25 CST ON MAR 06	3.78 B ON MAR 06	0.078 ON JUN 15	9 110	1987
1988	---	3.84 B ON APR 03	0.020 ON JUN 13	4 430	1988
1989	3.00 B AT 23:12 CST ON APR 15	1.09 ON MAY 31	0.014 ON AUG 13	4 990	1989
1990	5.73 B AT 23:58 CST ON MAR 30	3.18 B ON MAR 31	0.007 ON SEP 08	5 540	1990
				7 720	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB027

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	23.6	11.9	2.82	0.733	0.143	0.548	0.626	0.717	---	---	1917
1918	---	---	---	16.7	2.21	0.440	0.007	0.021	0.021	0.254	0.321	0.163	---	1918
1919	0.044	0.079	0.078	1.83	0.576	0.122	0	0	0	0	0	0	0.322	1919
1920	0	0	0.249	4.89	5.77	1.01	0.299	0.001	0	0.019	---	---	1.52	1920
1921	---	---	0.849	5.24	2.13	0.455	0.340	0.008	0.024	0.143	---	---	1.14	1921
1922	---	---	0.950	14.5	7.80	1.16	0.372	0.136	0.105	0.135	---	---	3.11	1922
1923	---	---	0.290	2.85	0.722	1.56	1.67	0.579	0.095	0.145	---	---	0.982	1923
1924	---	---	0.017	2.83	0.721	0.651	0.218	0.013	0	0.024	---	---	0.552	1924
1925	---	---	4.96	12.6	1.47	0.877	0.102	0	0.036	0.294	---	---	2.52	1925
1926	---	---	---	1.76	0.277	0.065	0.242	0.003	0.013	0.033	---	---	---	1926
1927	---	---	0.414	19.0	15.2	7.40	1.85	0.682	0.568	0.815	---	---	5.71	1927
1928	---	---	5.77	10.8	1.78	1.75	1.28	0.485	0.375	0.741	---	---	2.85	1928
1929	---	---	0.490	4.94	3.31	1.67	0.428	0.004	0	0.284	---	---	1.38	1929
1930	---	---	4.77	7.85	1.11	0.412	0.230	0.022	0.019	0.339	---	---	1.83	1930
1931	---	---	0.532	0.568	0.039	0.001	0	0	0	0	---	---	0.142	1931
1932	---	---	0.893	2.46	1.03	0.764	0.154	0	0.006	0.217	---	---	0.685	1932
1933	---	---	0.851	3.06	2.24	0.356	0.259	0	0	0	---	---	0.842	1933
1934	---	---	2.82	2.31	0.165	0.351	0.019	0	0	0	---	---	0.706	1934
1935	---	---	2.54	4.70	1.62	0.268	0.254	0.001	0	0	0	0	1.17	1935
1936	0	0	0	6.57	0.621	0.027	0	0	0	0	0	0	0.886	1936
1937	0	0	0.071	2.24	0.022	0	0	0	0	0	---	---	0.286	1937
1938	---	---	1.24	1.43	0.656	0.753	0.297	0	0	0	---	---	0.546	1938
1939	---	---	4.35	0.245	0.071	0.664	0.274	0	0	0	---	---	0.705	1939
1940	---	---	0	10.6	1.08	0.463	0.039	0.176	0	0	---	---	1.52	1940
1941	---	---	5.79	0.389	0.315	0.464	0.810	0.001	0.027	0.023	---	---	0.985	1941
1942	---	---	0.288	0.629	0.247	2.10	1.12	0.380	0.137	0.237	---	---	0.638	1942
1943	---	---	5.37	3.37	0.799	0.652	0.133	0.157	0.007	0.084	---	---	1.32	1943
1944	---	---	0.732	0.431	0.255	0.139	0.972	0.817	0.167	0.044	---	---	0.447	1944
1945	---	---	2.25	0.526	0.391	0.407	0.176	0	0	0	---	---	0.471	1945
1946	---	---	1.92	0.625	0.244	0.219	0.129	0.100	0.001	0	---	---	0.406	1946
1947	---	---	1.02	0.884	0.780	0.268	0.098	0.173	0	0	---	---	0.403	1947
1948	---	---	0.131	1.95	0.841	0.403	0.207	0.131	0	0.020	---	---	0.457	1948
1949	---	---	0.018	0.130	0.270	0.301	0.098	0	0	0	---	---	0.102	1949
1950	---	---	0	4.74	0.066	0.035	0.015	0.051	0	0	---	---	0.601	1950
1951	---	---	0	2.05	3.53	0.711	0.353	0.103	0.537	0.451	---	---	0.965	1951
1952	---	---	0.037	43.2	4.21	0.711	0.420	0.125	0.216	0.209	---	---	6.03	1952
1953	---	---	0.383	0.520	3.15	6.80	1.15	0.566	0.253	0.394	---	---	1.64	1953
1954	---	---	0.596	4.42	1.58	1.91	0.579	0.995	0.886	1.03	---	---	1.49	1954
1955	---	---	0.953	19.5	11.7	2.70	7.08	1.05	0.662	1.01	---	---	5.56	1955
1956	---	---	1.88	2.57	1.70	0.781	0.970	0.643	0.441	0.432	---	---	1.18	1956
1957	---	---	0.487	3.31	2.60	0.743	0.620	0.316	0.193	0.455	---	---	1.09	1957
1958	---	---	2.67	4.84	0.667	0.569	0.509	0.159	0.001	0.065	---	---	1.18	1958
1959	---	---	1.74	0.698	1.27	0.533	0.785	0.081	0.020	0.389	---	---	0.693	1959
1960	---	---	3.86	1.20	1.04	0.480	0.467	0.217	0.010	0.005	---	---	0.914	1960
1961	---	---	1.26	0.169	0.277	0.333	0	0.068	0	0	---	---	0.264	1961
1962	---	---	0.938	0.625	0.332	0.241	0.133	0.002	0	0	---	---	0.284	1962
1963	---	---	0.169	1.08	0.205	0.229	0.478	0.002	0	0	---	---	0.268	1963
1964	---	---	0.026	0.693	1.32	0.303	0.138	0	0	0.045	---	---	0.315	1964
1965	---	---	0	4.15	2.78	2.51	1.87	0.432	0.688	0.488	---	---	1.60	1965
1966	---	---	3.27	3.02	0.820	0.888	0.415	0.415	0.217	0.360	---	---	1.17	1966
1967	---	---	1.23	6.04	14.9	2.14	0.389	0.266	0.172	0.334	---	---	3.19	1967
1968	---	---	0.985	0.953	0.729	0.588	0.516	0.272	0.243	0.464	---	---	0.594	1968
1969	---	---	0.201	6.18	0.980	0.336	0.261	0.231	0	0.084	---	---	1.02	1969
1970	---	---	0.237	1.24	4.43	1.26	0.828	0.309	0.022	0.177	---	---	1.07	1970
1971	---	---	0.261	2.43	1.53	0.784	0.364	0.313	0	0.179	---	---	0.729	1971
1972	---	---	1.74	0.750	0.645	2.33	0.352	0.420	0.022	0.267	---	---	0.813	1972
1973	---	---	0.748	0.557	0.381	0.246	0.034	0.341	0	0.023	---	---	0.291	1973
1974	---	---	0.783	1.42	1.72	0.998	0.292	0.362	0.042	0.150	---	---	0.720	1974
1975	---	---	0.032	2.75	3.15	3.25	0.842	1.43	0.233	0.621	---	---	1.53	1975
1976	---	---	3.85	1.69	0.654	1.14	0.217	0.286	0.009	0.163	---	---	1.00	1976
1977	---	---	0.452	0.294	0.292	0.210	0.002	0	0	0.009	---	---	0.157	1977
1978	---	---	0.030	3.80	0.610	1.14	0.299	0.008	0.351	0.175	---	---	0.789	1978
1979	---	---	3.96	2.79	2.14	0.708	0.372	0.212	0.084	0.177	---	---	1.31	1979
1980	---	---	0.369	0.586	0.438	0.388	0.156	0.131	0.001	0.151	---	---	0.277	1980
1981	---	---	0.411	0.123	0.772	0.471	0.299	0.037	0	0	---	---	0.265	1981
1982	---	---	0.091	3.34	0.972	2.30	0.936	0.169	0.093	0.480	---	---	1.04	1982
1983	---	---	0.660	0.431	0.681	0.796	0.650	0.160	0.002	0.267	---	---	0.456	1983
1984	---	---	0.524	0.345	0.042	0.139	0.020	0	0	0	---	---	0.133	1984
1985	---	---	0.192	0.753	1.57	0.554	0.394	0	0.132	0.386	---	---	0.498	1985
1986	---	---	5.23	0.667	0.470	0.976	0.369	0.112	9.40	1.63	---	---	2.34	1986
1987	---	---	2.22	1.97	1.24	0.542	0.184	0.386	0.107	0.334	---	---	0.872	1987
1988	---	---	0.605	0.672	0.244	0.231	0.015	0	0	0	---	---	0.220	1988
1989	---	---	0.117	0.742	0.236	0.530	0.113	0.003	0.067	0.134	---	---	0.240	1989
1990	---	---	1.95	0.738	0.806	0.427	0.049	0.065	0	0	---	---	0.506	1990
MEAN	0.011	0.020	1.34	4.20	1.94	0.972	0.497	0.200	0.233	0.216	0.208	0.041	1.13	MEAN

LOCATION - LAT 49 00 07 N LONG 109 25 18 W DRAINAGE AREA, 2 580 km² REGULATED INTERNATIONAL GAUGING STATION

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	90.6 AT 09:00 MST ON APR 13	80.1 ON APR 13	---	---	1917
1918	---	70.8 B ON MAR 31	0 ON JUL 13 *	---	1918
1919	4.67 AT 12:00 MST ON APR 17	3.54 ON APR 17	0 ON JUL 03	6 820	1919
1920	26.1 AT 07:00 MST ON MAY 11	23.9 ON MAY 11	0 B ON MAR 01	32 300	1920
1921	19.5 AT 07:00 MST ON APR 17	17.3 ON APR 17	0 ON AUG 15	24 100	1921
1922	---	30.0 ON APR 25	0 B ON MAR 01	65 900	1922
1923	9.66 AT 08:00 MST ON JUN 25	8.01 ON APR 21	0.028B ON MAR 01	20 800	1923
1924	---	7.62 B ON APR 11	0 B ON MAR 01	11 700	1924
1925	40.5 AT 23:00 MST ON APR 02	37.1 B ON APR 03	0 B ON MAR 01	53 400	1925
1926	---	---	0 ON JUL 26	---	1926
1927	56.9 ON APR 04	48.1 ON APR 04	0 B ON MAR 01	121 000	1927
1928	65.7 B AT 18:00 MST ON APR 03	56.6 B ON APR 03	0.212 ON AUG 23	60 300	1928
1929	21.6 AT 03:00 MST ON APR 26	18.6 ON APR 25	0 B ON MAR 01	29 200	1929
1930	30.3 B AT 13:00 MST ON APR 02	22.5 B ON APR 02	0 ON AUG 04	38 800	1930
1931	1.87 AT 07:30 MST ON APR 07	1.50 ON APR 07	0 ON JUN 05	3 000	1931
1932	11.8 AT 04:30 MST ON APR 06	10.2 ON APR 06	0 ON JUL 29	14 500	1932
1933	8.78 AT 07:00 MST ON APR 22	7.36 ON APR 22	0 B ON MAR 01	17 800	1933
1934	---	9.17 ON APR 09	0 ON JUL 19	14 900	1934
1935	25.8 AT 08:00 MST ON APR 21	20.2 ON APR 21	0 B ON MAR 01	24 700	1935
1936	76.7 AT 20:40 MST ON APR 12	52.1 ON APR 12	0 ON MAR 01	18 800	1936
1937	21.0 AT 22:00 MST ON APR 08	10.2 ON APR 08	0 ON MAR 01	6 060	1937
1938	22.7 AT 21:30 MST ON MAR 26	8.98 ON MAR 27	0 ON MAR 01	11 600	1938
1939	51.8 AT 22:00 MST ON MAR 22	28.6 ON MAR 22	0 B ON MAR 01	14 900	1939
1940	64.8 AT 07:00 MST ON APR 21	54.9 ON APR 21	0 ON MAR 01	32 100	1940
1941	49.7 B AT 23:00 MST ON MAR 21	37.1 B ON MAR 22	0 B ON MAR 01	20 900	1941
1942	17.5 AT 20:00 MST ON JUN 28	8.89 ON JUN 29	0 B ON MAR 01	13 500	1942
1943	81.3 B AT 22:00 MST ON MAR 29	56.6 B ON MAR 29	0 B ON MAR 01	28 000	1943
1944	24.3 AT 20:00 MST ON AUG 25	12.1 ON JUL 06	0 B ON MAR 01	9 460	1944
1945	11.3 AT 02:00 MST ON MAR 20	8.81 ON MAR 20	0 B ON MAR 01	9 970	1945
1946	12.4 AT 21:00 MST ON MAR 11	8.95 ON MAR 11	0 ON MAR 01	8 590	1946
1947	14.2 B ON MAR 28	9.06 B ON MAR 29	0 ON MAR 01	8 540	1947
1948	14.0 B AT 11:00 MST ON APR 14	7.93 B ON APR 14	0 ON MAR 01	9 670	1948
1949	1.12 AT 12:30 MST ON MAY 27	1.07 ON MAY 27	0 B ON MAR 01	2 150	1949
1950	41.9 AT 21:30 MST ON APR 12	24.5 ON APR 13	0 ON MAR 01	12 700	1950
1951	15.9 ON MAY 02	13.4 ON MAY 02	0 B ON MAR 01	20 400	1951
1952	165 AT 07:00 MST ON APR 15	158 ON APR 15 *	0 B ON MAR 01	128 000	1952
1953	27.0 AT 12:00 MST ON JUN 08	24.8 ON JUN 08	0.102 ON SEP 18	34 800	1953
1954	48.7 B AT 20:45 MST ON APR 05	22.5 B ON APR 06	0.147 ON JUL 18	31 500	1954
1955	54.4 AT 20:30 MST ON JUL 12	34.8 ON APR 23	0.283B ON MAR 13	118 000	1955
1956	---	5.66 B ON MAR 27	0.142B ON MAR 10	24 900	1956
1957	33.1 B AT 03:30 MST ON APR 01	18.5 B ON APR 01	0.023 ON SEP 08	23 000	1957
1958	28.9 B AT 04:30 MST ON APR 03	26.8 B ON APR 03	0 ON SEP 07	24 900	1958
1959	21.9 B AT 20:00 MST ON MAR 26	11.0 B ON MAR 26	0 B ON MAR 01	14 700	1959
1960	28.3 B AT 24:00 MST ON MAR 23	20.5 B ON MAR 24	0 B ON MAR 01	19 400	1960
1961	36.5 B AT 23:45 MST ON MAR 15	9.77 B ON MAR 16	0 ON JUL 03	5 590	1961
1962	10.3 B AT 22:00 MST ON MAR 26	8.21 B ON MAR 26	0 ON MAR 01	6 010	1962
1963	5.95 AT 02:00 MST ON JUL 06	2.86 ON JUL 06	0 ON MAY 31	5 680	1963
1964	6.31 AT 15:45 MST ON MAY 11	5.27 ON MAY 11	0 B ON MAR 01	6 670	1964
1965	21.8 AT 03:30 MST ON JUN 27	16.1 B ON APR 18	0 ON MAR 01	33 900	1965
1966	17.3 B AT 06:00 MST ON MAR 30	12.8 B ON MAR 29	0.042 ON AUG 19	24 800	1966
1967	55.5 AT 06:00 MST ON MAY 22	53.3 ON MAY 22	0 ON SEP 02	67 500	1967
1968	2.55B AT 22:15 MST ON MAR 13	1.98 B ON MAR 14	0.059 ON SEP 11	12 600	1968
1969	51.5 AT 02:45 MST ON APR 06	31.4 ON APR 07	0 A ON AUG 25	21 600	1969
1970	16.5 AT 18:00 MST ON MAY 09	16.2 ON MAY 09	0 B ON MAR 01	22 600	1970
1971	9.06B AT 14:20 CST ON APR 14	7.82 B ON APR 14	0 ON AUG 30	15 400	1971
1972	28.1 AT 02:00 MDT ON JUN 11	18.0 ON JUN 11	0 B ON MAR 01	17 200	1972
1973	2.55 AT 18:15 CST ON AUG 09	2.44 ON AUG 09	0 ON MAR 01	6 170	1973
1974	19.2 AT 11:45 CST ON MAY 21	13.3 B ON APR 01	0.006 ON SEP 27	15 200	1974
1975	18.8 AT 18:33 CST ON AUG 24	10.8 ON JUN 20	0.008B ON MAR 01	32 400	1975
1976	21.2 B AT 06:30 CST ON MAR 20	20.4 B ON MAR 20	0 ON SEP 23	21 200	1976
1977	4.08 AT 00:15 MST ON APR 12	2.52 ON APR 12	0 ON JUL 09	3 330	1977
1978	45.9 B AT 21:15 CST ON APR 05	18.0 B ON APR 06	0 ON AUG 12	16 700	1978
1979	17.8 B AT 23:00 CST ON MAR 23	14.8 B ON MAR 23	0 B ON MAR 01	27 600	1979
1980	3.76B AT 06:00 MST ON MAR 21	2.10 B ON MAR 21	0 B ON MAR 01	5 860	1980
1981	2.30 AT 10:00 CST ON MAY 19	2.05 ON MAY 19	0 ON AUG 22	5 610	1981
1982	52.6 AT 23:00 CST ON APR 13	22.5 ON APR 14	0 B ON MAR 01	21 900	1982
1983	2.94 AT 21:30 CST ON MAY 12	2.31 ON MAY 13	0 ON SEP 16	9 660	1983
1984	1.43 AT 12:30 CST ON MAR 31	0.993 ON MAR 31	0 ON MAY 23	2 820	1984
1985	10.5 AT 02:00 CST ON MAY 03	7.48 ON MAY 03	0 B ON MAR 01	10 500	1985
1986	277 AT 13:00 CST ON SEP 25 *	117 ON SEP 25	0.041 ON SEP 02	49 500	1986
1987	10.2 B AT 02:00 CST ON MAR 07	8.00 B ON MAR 07	0.001 ON JUL 17	18 500	1987
1988	3.42 AT 04:00 CST ON APR 08	2.68 ON APR 08	0 ON JUL 25	4 650	1988
1989	2.56 AT 19:30 CST ON MAR 30	1.72 ON MAR 31	0 B ON MAR 01	5 080	1989
1990	9.92B AT 14:30 CST ON MAR 04	8.41 B ON MAR 05	0 ON SEP 04	10 700	1990
				23 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK AT NASH'S RANCH - STATION NO. 11AB010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	0.226	0.277	---	---	---	1909
1910	---	---	---	---	---	0.075	0.012	0.022	0.133	0.121	---	---	---	1910
1911	---	---	---	2.95	1.29	0.301	0.265	0.269	3.34	1.07	---	---	---	1911
1912	---	---	---	---	2.54	1.06	0.218	0.299	0.474	0.682	---	---	---	1912
1913	---	---	---	5.71	1.57	0.368	0.601	0.267	0.140	0.351	---	---	---	1913
1914	---	---	---	4.39	0.736	0.028	0.006	0	0.076	0.472	---	---	---	1914
1915	---	---	---	6.51	1.01	2.45	1.48	0.696	0.703	0.791	---	---	---	1915
1916	---	---	21.4	3.88	2.67	6.89	2.90	1.62	1.27	1.58	---	---	5.29	1916
1917	---	---	---	18.5	11.9	2.47	0.495	0.194	0.598	0.677	---	---	---	1917
1918	---	---	---	15.6	2.19	0.358	0.058	0.096	0.051	0.114	---	---	---	1918
1919	---	---	0.100	1.72	0.532	0.122	0.012	0	0	0.043	---	---	0.313	1919
1920	---	---	0.114	3.67	5.77	0.905	0.294	0.049	0.016	0.140	---	---	1.37	1920
1921	---	---	0.610	5.55	2.28	0.371	0.364	0.028	0.114	0.206	---	---	1.18	1921
1922	---	---	0.007	11.5	7.94	1.01	0.438	0.233	0.211	0.169	---	---	2.67	1922
1923	---	---	0.112	2.82	0.626	2.18	1.55	0.471	0.097	0.137	---	---	0.991	1923
1924	---	---	0	2.71	0.689	0.578	0.174	0.059	0	0.099	---	---	0.532	1924
1925	---	---	1.14	10.7	1.49	0.684	0.097	0.032	0.148	0.322	---	---	1.80	1925
1926	---	---	3.57	1.93	0.247	0.135	0.359	0	0.064	0.141	---	---	0.807	1926
1927	---	---	1.24	15.8	12.9	6.33	1.39	0.682	0.538	0.847	---	---	4.94	1927
1928	---	---	4.80	7.36	1.63	2.00	1.37	0.525	0.376	0.627	---	---	2.32	1928
1929	---	---	0.680	5.03	3.21	1.58	0.397	0.021	0.060	0.290	---	---	1.40	1929
1930	---	0.237	1.39	6.19	1.06	0.411	0.197	0.011	0.099	0.375	---	---	1.20	1930
1931	---	---	0.519	0.555	0.154	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0.101	3.32	0.497	0.022	---	---	---	---	---	---	---	1936
MEAN	---	0.237	2.39	6.50	2.86	1.38	0.603	0.265	0.380	0.414	---	---	1.91	MEAN

LOCATION - LAT 49 11 15 N DRAINAGE AREA, 2 120 km²
LONG 109 33 20 W REGULATED

BATTLE CREEK AT NASH'S RANCH - STATION NO. 11AB010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	0 ON JUL 15 *	---	1910
1911	---	16.0 ON SEP 06	---	---	1911
1912	---	---	---	---	1912
1913	---	20.1 ON APR 16	---	---	1913
1914	---	16.5 ON APR 16	0 ON JUL 08	---	1914
1915	---	27.6 ON APR 02	---	---	1915
1916	---	49.0 B ON MAR 14	1.05 ON SEP 28	112 000	1916
1917	---	69.9 B ON APR 12 *	---	---	1917
1918	---	52.1 B ON MAR 29	---	---	1918
1919	---	3.26B ON APR 16	0 ON JUL 14	6 620	1919
1920	---	19.6 ON MAY 10	0 B ON MAR 01	29 000	1920
1921	---	17.9 ON APR 16	0 ON AUG 30	25 000	1921
1922	---	32.0 B ON APR 24	0 B ON MAR 01	56 600	1922
1923	---	8.21 ON APR 20	0 B ON MAR 02	21 000	1923
1924	---	7.33B ON APR 07	0 B ON MAR 01	11 300	1924
1925	---	30.0 A ON APR 02	0 B ON MAR 01	38 100	1925
1926	---	9.54A ON MAR 23	0 ON AUG 05	17 100	1926
1927	---	45.6 ON APR 29	0 B ON MAR 01	105 000	1927
1928	---	36.5 B ON APR 02	0.113B ON MAR 01	49 200	1928
1929	---	21.8 ON APR 25	0 ON AUG 22	29 600	1929
1930	---	16.2 ON APR 09	0 ON AUG 09	25 500	1930
1931	---	---	---	---	1931
1935	---	---	0 ON SEP 01	---	1935
1936	---	22.7 E ON APR 11	0 B ON MAR 01	---	1936
				40 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK AT RANGER STATION - STATION NO. 11AB081

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	3.04	1.75	0.581	0.235	0.183	0.285	0.387	---	---	---	1951
1952	---	---	0.182	5.55	1.18	0.445	0.531	0.423	0.195	0.212	---	---	1.08	1952
1953	---	---	0.253	1.70	4.13	3.85	0.764	0.433	0.198	0.382	---	---	1.48	1953
1954	---	---	0.422	1.19	1.24	0.927	0.369	0.358	0.469	0.787	---	---	0.719	1954
1955	---	---	0.309	4.85	6.02	1.51	2.07	0.673	0.580	0.638	---	---	2.06	1955
1956	---	---	0.453	1.59	1.22	0.600	0.677	0.346	0.312	0.310	---	---	0.687	1956
1957	---	---	0.393	4.03	1.98	0.500	0.229	0.162	0.168	0.250	---	---	0.957	1957
1958	---	---	0.308	2.09	0.308	0.203	0.136	0.049	0.116	0.159	---	---	0.427	1958
1959	---	---	0.316	2.17	0.712	0.499	0.244	0.124	0.157	0.312	---	---	0.563	1959
1960	---	---	1.12	1.04	1.24	0.460	0.172	0.143	0.082	0.096	---	---	0.544	1960
1961	---	---	0.304	0.282	0.363	0.119	0.038	0.015	0.058	0.093	---	---	0.159	1961
1962	---	---	0.248	1.31	0.304	0.196	0.124	0.028	0.052	0.088	---	---	0.291	1962
1963	---	---	1.05	0.804	0.309	0.334	0.617	0.042	0.049	0.050	---	---	0.406	1963
1964	---	---	---	---	2.05	0.612	0.239	0.062	0.297	0.152	---	---	---	1964
1965	---	---	---	---	1.81	1.87	0.983	0.268	0.791	0.476	---	---	---	1965
1966	---	---	---	---	---	0.846	0.440	0.475	0.448	0.321	---	---	---	1966
1967	---	---	0.244	0.636	6.91	1.23	0.489	0.279	0.333	0.302	---	---	1.31	1967
1968	---	---	0.839	0.819	0.842	0.753	0.506	0.214	0.336	0.373	---	---	0.585	1968
1969	---	---	0.200	2.37	0.605	0.257	0.179	0.066	0.060	0.234	---	---	0.492	1969
1970	---	---	0.232	0.805	4.97	0.979	0.499	0.199	0.178	0.168	---	---	1.01	1970
1971	---	---	0.226	3.17	0.814	1.05	0.247	0.097	0.138	0.217	---	---	0.736	1971
1972	---	---	1.89	0.537	0.571	0.287	0.152	0.084	0.115	0.157	---	---	0.476	1972
1973	---	---	0.204	0.551	0.561	0.538	0.110	0.069	0.086	0.141	---	---	0.281	1973
1974	---	---	0.184	1.46	1.28	0.536	0.289	0.172	0.147	0.158	---	---	0.526	1974
MEAN	---	---	0.469	1.90	1.79	0.799	0.431	0.207	0.244	0.269	---	---	0.740	MEAN

LOCATION - LAT 49 36 04 N, LONG 109 55 21 W DRAINAGE AREA, 205 km² NATURAL FLOW

BATTLE CREEK AT RANGER STATION - STATION NO. 11AB081

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1951	31.7 AT 03:00 MST ON APR 28	18.8 ON APR 27	---	---	1951
1952	45.0 AT 02:30 MST ON APR 19	30.3 ON APR 18	0.102 ON SEP 26	22 800	1952
1953	42.2 AT 22:45 MST ON JUN 03	23.4 ON JUN 03	0.057B ON MAR 01	31 400	1953
1954	11.8 B AT 04:00 MST ON APR 17	7.42 B ON APR 17	0.102 ON AUG 09	15 200	1954
1955	30.0 AT 06:00 MST ON MAY 02	23.0 ON MAY 02	0.283B ON MAR 01	44 000	1955
1956	---	4.25 B ON APR 16	0.227 ON AUG 24	14 600	1956
1957	36.0 AT 04:00 MST ON APR 30	20.0 ON APR 30	0.113 ON AUG 01	20 300	1957
1958	9.74B AT 03:00 MST ON APR 08	6.88 B ON APR 08	0.031 ON AUG 18	9 030	1958
1959	12.5 B AT 10:00 MST ON APR 13	7.42 B ON APR 13	0.079 ON SEP 07	11 900	1959
1960	11.8 B AT 06:05 MST ON MAR 29	7.25 B ON MAR 29	0.057 ON SEP 20	11 500	1960
1961	---	0.725 ON MAY 11	0.003 ON AUG 08 *	3 370	1961
1962	3.45B AT 08:00 MST ON APR 15	1.97 B ON APR 11	0.008 ON AUG 18	6 160	1962
1963	8.89B AT 04:15 MST ON MAR 29	4.76 B ON MAR 28	0.003 ON AUG 08	8 600	1963
1964	15.5 AT 20:00 MST ON MAY 07	9.63 ON MAY 07	---	---	1964
1965	---	27.1 B ON APR 25	---	---	1965
1966	---	---	---	---	1966
1967	90.6 AT 24:00 MST ON MAY 17 *	39.4 ON MAY 10 *	0.204B ON MAR 25	27 700	1967
1968	2.56 AT 12:00 MST ON JUN 24	2.01 ON JUN 24	0.136 ON AUG 27	12 400	1968
1969	14.3 B AT 04:00 MST ON APR 07	11.1 ON APR 10	0.014 ON SEP 10	10 400	1969
1970	63.4 AT 01:20 MST ON MAY 06	36.8 ON MAY 05	0.108 ON SEP 08	21 300	1970
1971	29.2 AT 04:30 CST ON APR 17	18.3 ON APR 17	0.076 ON AUG 22	15 600	1971
1972	32.6 B AT 05:45 CST ON MAR 17	17.3 B ON MAR 17	0.045 ON AUG 11	10 100	1972
1973	2.59 AT 06:50 CST ON JUN 19	2.35 ON JUN 19	0.034 ON AUG 05	5 950	1973
1974	4.96 AT 04:50 CST ON MAY 26	4.16 ON MAY 26	0.139B ON MAR 01	11 100	1974
				15 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK AT WILSON'S RANCH - STATION NO. 11AB011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.092	0.082	0.227	0.255	---	---	---	1910
1911	---	---	---	---	1.46	0.642	0.526	0.434	3.00	1.23	---	---	---	1911
MEAN	---	---	---	---	1.46	0.642	0.309	0.258	1.61	0.743	---	---	---	MEAN

LOCATION - LAT 49 26 30 N, LONG 109 40 00 W DRAINAGE AREA, 663 km² REGULATED

BATTLE CREEK AT WILSON'S RANCH - STATION NO. 11AB011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
				---	MEAN

BATTLE CREEK BELOW DIVERSION CANAL - STATION NO. 11AB015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	7.04	0.980	0.412	0.402	0.537	0.774	---	---	---	1912
1913	---	---	---	---	1.68	0.588	0.590	0.362	0.185	0.284	---	---	---	1913
1914	---	---	---	---	0.852	0.154	0.018	0.033	0.356	0.560	---	---	---	1914
1915	---	---	---	4.60	1.19	3.69	2.11	0.999	0.806	1.04	---	---	---	1915
1916	---	---	---	2.21	3.29	7.45	2.38	1.50	1.26	1.62	---	---	---	1916
1917	---	---	---	---	11.4	3.04	0.599	0.309	0.579	0.760	---	---	---	1917
1922	---	---	---	---	---	---	0.477	0.275	0.253	---	---	---	---	1922
1923	---	---	---	---	---	2.05	1.05	0.458	0.154	0.238	---	---	---	1923
1924	---	---	---	---	0.875	0.717	0.198	0.094	0.052	0.138	---	---	---	1924
1925	---	---	---	---	---	0.749	0.134	0.105	0.172	0.454	---	---	---	1925
1926	---	---	---	2.24	0.340	0.237	0.299	0.020	0.116	0.176	---	---	---	1926
1928	---	---	---	---	---	---	---	0.580	---	---	---	---	---	1928
1929	---	---	---	---	---	---	0.403	0.069	0.192	---	---	---	---	1929
1930	---	---	---	---	1.39	0.543	0.236	0.060	---	---	---	---	---	1930
1939	---	---	0.497	0.133	0.390	0.709	0.224	0.008	0.001	0.019	---	---	---	1939
MEAN	---	---	0.497	2.30	2.84	1.74	0.652	0.352	0.359	0.551	---	---	---	MEAN

LOCATION - LAT 49 26 11 N LONG 109 35 10 W DRAINAGE AREA, 764 km² REGULATED

BATTLE CREEK BELOW DIVERSION CANAL - STATION NO. 11AB015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUL 21 *	---	1914
1915	---	---	---	---	1915
1916	---	20.6 ON JUN 01 *	---	---	1916
1917	---	---	---	---	1917
1922	---	---	---	---	1922
1923	---	---	---	---	1923
1924	---	---	---	---	1924
1925	---	---	---	---	1925
1926	---	14.2 E ON APR 12	0 ON AUG 07	---	1926
1928	---	---	---	---	1928
1929	---	---	---	---	1929
1930	---	---	---	---	1930
1939	---	2.80B ON MAR 27	0 ON AUG 18	---	1939
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK BELOW GAFF DITCH - STATION NO. 11AB112

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	0.867	0.389	0.213	0.156	0.362	---	---	---	1972
1973	---	---	---	0.597	0.371	0.544	0.158	0.085	0.097	0.176	---	---	---	1973
1974	---	---	---	---	2.12	0.548	0.290	0.193	0.135	0.224	---	---	---	1974
1975	---	---	---	---	---	2.22	0.814	0.616	0.527	0.588	---	---	---	1975
1976	---	---	---	---	0.295	0.759	0.332	0.270	0.141	0.246	---	---	---	1976
MEAN	---	---	---	0.597	0.929	0.988	0.397	0.275	0.211	0.319	---	---	---	MEAN

LOCATION - LAT 49 24 43 N LONG 109 44 35 W DRAINAGE AREA, 603 km² REGULATED

BATTLE CREEK BELOW GAFF DITCH - STATION NO. 11AB112

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	2.97 AT 06:00 CST ON JUN 20	2.76 ON JUN 20	---	---	1973
1974	7.59 AT 02:10 CST ON MAY 27	6.57 ON MAY 26	0.054 ON AUG 05 *	---	1974
1975	22.4 AT 15:48 CST ON MAY 09 *	20.4 ON MAY 09 *	---	---	1975
1976	11.4 E AT 06:00 CST ON APR 07	8.78E ON APR 07	0.105 ON SEP 06	---	1976
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK BELOW NASHLYN PROJECT - STATION NO. 11AB101

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	0.303	0.141	0.001	0.088	0.129	---	---	---	1964
1965	---	---	---	---	2.53	2.39	1.59	0.415	0.706	0.523	---	---	---	1965
1966	---	---	---	---	0.670	0.737	0.409	0.402	0.245	0.470	---	---	---	1966
1967	---	---	---	---	---	1.90	0.442	0.310	0.203	0.365	---	---	---	1967
1968	---	---	---	---	0.745	0.653	0.610	0.290	0.266	0.455	---	---	---	1968
1969	---	---	---	---	0.929	0.395	0.304	0.305	0	0.183	---	---	---	1969
1970	---	---	---	---	4.37	1.31	0.901	0.293	0.081	0.242	---	---	---	1970
1971	---	---	---	---	1.46	0.847	0.353	0.245	0.014	0.232	---	---	---	1971
1972	---	---	---	0.682	0.798	2.54	0.450	0.427	0.069	0.292	---	---	0.746	1972
1973	---	---	---	0.512	0.416	0.264	0.066	0.462	0.001	0.094	---	---	0.259	1973
1974	---	---	---	---	1.30	1.30	0.422	0.451	0.086	0.216	---	---	---	1974
1975	---	---	---	---	2.31	3.27	1.00	1.13	0.224	0.713	---	---	---	1975
1976	---	---	---	---	0.638	0.751	0.299	0.322	0.034	0.194	---	---	---	1976
1977	---	---	---	0.268	0.234	0.158	0.036	0.040	0	0.102	---	---	0.119	1977
1978	---	---	---	1.58	0.535	1.20	0.324	0.078	0.286	0.288	---	---	0.607	1978
1979	---	---	---	---	1.93	0.781	0.582	0.270	0.128	0.230	---	---	---	1979
1980	---	---	---	---	0.602	0.449	0.248	0.170	0.021	0.241	---	---	---	1980
1981	---	---	---	0.111	0.737	0.525	0.403	0.051	0	0.019	---	---	0.264	1981
1982	---	---	---	---	0.582	2.06	0.892	0.201	0.131	0.420	---	---	---	1982
1983	---	---	---	0.358	0.549	0.847	0.652	0.196	0.068	0.300	---	---	0.424	1983
1984	---	---	---	0.278	0.126	0.222	0.036	0	0	0.043	---	---	0.100	1984
1985	---	---	---	0.649	1.62	0.772	0.450	0.002	0.239	0.434	---	---	0.596	1985
1986	---	---	---	0.667	0.439	1.08	0.448	0.192	3.95	1.20	---	---	1.13	1986
1987	---	---	---	1.78	1.14	0.534	0.298	0.461	0.189	0.461	---	---	0.692	1987
1988	---	---	---	0.589	0.359	0.280	0.071	0	0	0.116	---	---	0.201	1988
1989	---	---	---	0.719	0.325	0.546	0.179	0.006	0.152	0.155	---	---	0.295	1989
1990	---	---	---	0.704	0.892	0.464	0.112	0.066	0.004	0.056	---	---	0.327	1990
MEAN	---	---	---	0.684	1.05	0.984	0.434	0.251	0.266	0.303	---	---	0.443	MEAN

LOCATION - LAT 49 09 52 N
LONG 109 27 52 W
DRAINAGE AREA, 2 210 km²
REGULATED

BATTLE CREEK BELOW NASHLYN PROJECT - STATION NO. 11AB101

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0 ON AUG 04 *	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	0 ON AUG 29	---	1971
1972	35.1 AT 14:10 CST ON JUN 10	27.4 ON JUN 10	---	13 800	1972
1973	---	---	0 ON SEP 12	4 790	1973
1974	3.91 AT 05:06 CST ON JUN 28	3.62 ON JUN 28	0.012 ON APR 19	---	1974
1975	9.23 AT 15:16 CST ON MAY 07	8.44 ON JUN 21	0.102 ON SEP 17	---	1975
1976	---	---	0.018 ON SEP 18	---	1976
1977	6.12 AT 08:35 CST ON APR 11	2.89B ON APR 11	0 ON JUL 08	2 210	1977
1978	---	6.60B ON APR 06	---	11 200	1978
1979	---	---	---	---	1979
1980	---	---	0 ON SEP 05	---	1980
1981	---	---	0 ON AUG 16	4 890	1981
1982	4.44 AT 16:57 CST ON JUN 05	5.05 ON JUN 06	---	---	1982
1983	2.33 AT 01:23 CST ON MAY 12	1.86 ON MAY 12	0.005 ON SEP 19	7 840	1983
1984	---	---	0 ON JUL 19	1 840	1984
1985	12.1 AT 12:59 CST ON MAY 02	10.4 ON MAY 02	---	11 000	1985
1986	45.1 A AT 10:44 CST ON SEP 26 *	40.8 A ON SEP 26 *	---	20 900	1986
1987	---	---	0.033 ON JUL 09	12 800	1987
1988	3.50 AT 08:18 CST ON APR 07	2.66 ON APR 07	0 ON JUL 25	3 720	1988
1989	1.87 AT 01:53 CST ON APR 20	1.46 ON MAY 30	0 ON AUG 10	5 450	1989
1990	3.20 AT 14:42 CST ON APR 04	2.68 ON APR 04	0 ON SEP 09	6 050	1990
				8 190	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK BELOW WILKES' RANCH - STATION NO. 11AB073

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	---	---	---	0.567	---	---	---	---	---	1928
1929	---	---	---	---	---	---	0.379	0.075	0.177	---	---	---	---	1929
1930	---	---	---	---	1.31	0.552	0.234	0.057	---	---	---	---	---	1930
MEAN	---	---	---	---	1.31	0.552	0.307	0.233	0.177	---	---	---	---	MEAN

LOCATION - LAT 49 26 00 N
LONG 109 35 00 W
DRAINAGE AREA, 787 km²
REGULATED

BATTLE CREEK BELOW WILKES' RANCH - STATION NO. 11AB073

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1928	---	---	---	---	1928
1929	---	---	---	---	1929
1930	---	---	---	---	1930
				---	MEAN

BATTLE CREEK BELOW WILSON'S WEIR - STATION NO. 11AB118

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	0.106	---	---	---	---	---	1980
1981	---	---	0.419	0.172	0.338	0.568	0.410	0.082	0.014	0.174	---	---	0.273	1981
1982	---	---	0.109	0.091	0.718	2.37	0.704	0.225	0.213	0.498	---	---	0.613	1982
1983	---	---	0.761	0.696	0.370	0.590	0.526	0.295	0.205	0.434	---	---	0.484	1983
1984	---	---	0.433	0.307	0.207	0.298	0.060	0.012	0.104	0.229	---	---	0.206	1984
1985	---	---	0.295	1.64	2.13	0.743	0.134	0.126	0.371	0.469	---	---	0.736	1985
1986	---	---	0.422	0.247	0.010	0.199	0.349	0.260	0.497	0.425	---	---	0.301	1986
1987	---	---	0.015	0.121	0.706	0.354	0.301	0.290	0.253	0.461	---	---	0.313	1987
1988	---	---	0.615	0.857	0.245	0.172	0.109	0.022	0.065	0.170	---	---	0.281	1988
1989	---	---	0.344	0.761	0.191	0.454	0.196	0.148	0.263	0.278	---	---	0.327	1989
1990	---	---	0.385	0.500	0.926	0.150	0.214	0.132	0.029	0.148	---	---	0.311	1990
MEAN	---	---	0.380	0.539	0.584	0.590	0.300	0.154	0.201	0.329	---	---	0.385	MEAN

LOCATION - LAT 49 27 01 N LONG 109 38 39 W DRAINAGE AREA, 681 km^2 REGULATED

BATTLE CREEK BELOW WILSON'S WEIR - STATION NO. 11AB118

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	2.43 AT 06:13 CST ON JUN 16	1.65 ON JUN 16	0.004 ON MAY 28	5 770	1981
1982	5.38 AT 11:29 CST ON JUN 04	4.91 ON JUN 05	0.007B ON MAR 28	11 000	1982
1983	2.93B AT 02:20 CST ON MAR 14	1.94 B ON MAR 14	0.007 ON MAY 23	10 300	1983
1984	1.11B AT 14:25 CST ON MAR 22	0.678B ON MAR 25	0.003 ON AUG 30	4 350	1984
1985	15.7 AT 01:25 CST ON MAY 01 *	10.9 ON APR 30 *	0.056 ON AUG 09	15 600	1985
1986	12.5 B AT 12:10 CST ON FEB 27	1.93 ON SEP 25	0.001 ON OCT 13	6 370	1986
1987	2.03B AT 04:46 CST ON FEB 12	1.49 ON MAY 28	0.001 ON AUG 08	6 640	1987
1988	4.40B AT 08:45 CST ON APR 05	3.16 B ON APR 05	0 ON AUG 15 *	5 940	1988
1989	3.80 AT 21:06 CST ON APR 17	1.97 ON APR 17	0.028 ON MAY 21	6 930	1989
1990	5.07 AT 17:59 CST ON APR 02	1.34 ON APR 02	0.007 ON JUN 15	6 590	1990
				8 150	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK NEAR CONSUL - STATION NO. 11AB096

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	0.251	0.323	0.534	---	---	---	---	---	---	1963
1964	---	---	---	---	1.50	0.483	0.166	0.001	0.190	0.205	---	---	---	1964
1965	---	---	---	---	2.37	1.55	1.50	0.453	0.654	0.566	---	---	---	1965
1966	---	---	---	---	0.949	0.896	0.511	0.486	0.251	0.455	---	---	---	1966
1967	---	---	---	---	14.7	1.97	0.582	0.363	0.298	0.414	---	---	---	1967
1968	---	---	---	---	0.911	0.687	0.760	0.261	0.303	0.457	---	---	---	1968
1969	---	---	---	---	1.02	0.472	0.452	0.277	0.001	0.271	---	---	---	1969
1970	---	---	---	---	4.95	1.29	0.930	0.277	0.118	0.241	---	---	---	1970
1971	---	---	---	---	1.94	0.802	0.682	0.295	0.059	0.256	---	---	---	1971
1972	---	---	---	0.948	0.996	2.69	0.555	0.349	0.061	0.307	---	---	0.839	1972
1973	---	---	---	---	0.497	0.219	0.265	0.472	0.035	0.157	---	---	---	1973
1974	---	---	---	---	1.59	1.35	0.504	0.368	0.112	0.197	---	---	---	1974
1975	---	---	---	---	3.04	3.44	0.868	0.930	0.140	0.713	---	---	---	1975
1976	---	---	---	---	1.11	0.821	0.549	0.328	0.080	0.262	---	---	---	1976
1977	---	---	---	0.604	0.671	0.248	0.352	0.040	0.021	0.136	---	---	0.296	1977
1978	---	---	---	1.35	0.591	1.28	0.325	0.135	0.270	0.296	---	---	0.602	1978
1979	---	---	---	---	2.39	0.819	0.650	0.131	0.141	0.268	---	---	---	1979
1980	---	---	0.091	0.841	0.851	0.352	0.528	0.179	0.103	0.278	---	---	0.448	1980
1981	---	---	---	0.314	1.00	0.329	0.319	0.043	0	0.041	---	---	0.294	1981
1982	---	---	---	---	0.962	2.37	0.951	0.244	0.191	0.582	---	---	---	1982
1983	---	---	---	0.959	0.742	0.938	0.746	0.262	0.107	0.331	---	---	0.583	1983
1984	---	---	---	0.516	0.386	0.263	0.051	0	0	0.132	---	---	0.192	1984
1985	---	---	---	1.57	1.94	0.912	0.432	0.046	0.270	0.400	---	---	0.794	1985
1986	---	---	---	0.464	0.602	1.21	0.502	0.198	1.99	0.902	---	---	0.832	1986
1987	---	---	---	1.41	1.36	0.609	0.223	0.409	0.183	0.393	---	---	0.654	1987
1988	---	---	---	1.07	0.627	0.238	0.089	0	0.073	0.165	---	---	0.321	1988
1989	---	---	---	0.965	0.619	0.544	0.189	0.048	0.189	0.199	---	---	0.391	1989
1990	---	---	---	0.760	1.05	0.378	0.157	0.145	0.008	0.076	---	---	0.368	1990
MEAN	---	---	0.091	0.905	1.77	0.982	0.513	0.250	0.215	0.323	---	---	0.509	MEAN

LOCATION - LAT 49 17 12 N LONG 109 31 22 W DRAINAGE AREA, 1 850 km² REGULATED

BATTLE CREEK NEAR CONSUL - STATION NO. 11AB096

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	68.8 A AT 07:00 MST ON MAY 20 *	66.0 A ON MAY 20 *	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	59.5 AT 12:15 CST ON JUN 09	33.1 ON JUN 09	---	15 500	1972
1973	---	---	---	---	1973
1974	4.16 AT 02:08 CST ON MAY 14	3.99 ON MAY 13	0.065 ON SEP 28	---	1974
1975	8.50 AT 08:19 CST ON JUN 20	8.18 ON JUN 20	0.031 ON SEP 07	---	1975
1976	---	---	0.021 ON SEP 15	---	1976
1977	5.55 AT 10:12 CST ON APR 10	3.48 ON APR 10	---	5 480	1977
1978	5.75B AT 09:25 CST ON APR 06	3.88B ON APR 06	---	11 100	1978
1979	---	---	---	---	1979
1980	3.28 AT 19:48 CST ON MAY 25	2.61 ON MAY 25	0.053 ON SEP 01	8 280	1980
1981	---	---	0 ON SEP 01 *	5 440	1981
1982	5.96 AT 23:22 CST ON JUN 04	5.55 ON JUN 05	---	---	1982
1983	4.16B AT 15:58 CST ON APR 04	2.91B ON APR 04	0.038 ON SEP 10	10 800	1983
1984	---	---	0 ON JUL 27	3 540	1984
1985	13.9 AT 20:38 CST ON MAY 01	11.5 ON MAY 01	---	14 700	1985
1986	28.1 A AT 12:35 CST ON SEP 26	23.5 A ON SEP 26	---	15 400	1986
1987	---	---	0.060 ON JUL 03	12 100	1987
1988	4.13 AT 01:00 CST ON APR 07	2.70B ON APR 06	0 ON AUG 06	5 930	1988
1989	3.35 AT 05:32 CST ON APR 19	2.48 ON APR 19	0.015 ON AUG 22	7 220	1989
1990	2.42 AT 00:00 CST ON APR 05	2.13A ON APR 04	0.002E ON SEP 17	6 810	1990
				9 410	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER AT BATTLEFORD - STATION NO. 05FF001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	17.0	16.6	32.4	44.2	33.4	20.6	---	---	---	1912
1913	1.62	1.64	2.13	90.0	28.0	17.7	14.5	12.9	13.3	10.3	5.50	2.87	22.8	1913
1914	0.821	0.596	0.632	12.6	40.4	43.9	56.5	16.5	11.2	14.4	8.17	4.65	24.5	1914
1915	2.94	2.04	4.26	37.7	14.1	26.8	55.6	50.7	20.0	13.0	6.38	2.90	27.8	1915
1916	1.31	0.960	0.639	27.0	26.9	39.8	46.2	38.7	55.0	42.4	20.1	---	34.5	1916
1917	4.01	3.23	2.57	68.7	83.7	55.5	21.9	10.5	8.36	6.09	4.42	1.34	32.0	1917
1918	0.234	0.233	1.05	10.6	12.6	9.02	4.89	2.80	1.90	2.18	1.49	0.608	8.04	1918
1919	0.310	0.399	0.298	14.3	18.4	9.54	3.40	2.66	2.13	1.33	---	---	6.48	1919
1920	0.194	0	0	40.8	90.7	65.8	22.7	7.22	4.91	3.96	4.22	0.729	29.4	1920
1921	0.405	0.327	0.117	86.3	29.0	10.2	5.70	3.60	3.83	3.53	---	---	17.6	1921
1922	---	---	---	21.1	9.69	5.56	2.58	2.01	1.61	1.78	---	---	---	1922
1923	---	---	---	6.19	5.75	7.05	8.70	5.98	4.19	3.42	---	---	---	1923
1924	---	---	0.053	4.98	13.9	8.71	4.35	2.18	2.22	2.25	---	---	4.83	1924
1925	---	---	0.037	46.3	31.5	9.70	4.90	3.30	2.87	3.52	---	---	12.7	1925
1926	---	---	0.892	40.6	21.0	8.34	8.76	6.71	6.61	13.2	---	---	13.2	1926
1927	---	---	---	42.2	104	48.9	34.5	31.7	12.6	9.32	---	---	---	1927
1928	---	---	---	40.4	30.2	14.0	11.7	8.95	5.13	3.98	---	---	---	1928
1929	---	---	1.75	10.6	11.2	6.66	2.92	1.43	1.07	0.647	---	---	4.52	1929
1930	---	---	1.20	5.38	3.95	3.31	4.59	1.77	1.11	2.43	---	---	2.96	1930
1931	---	---	0.360	9.56	4.39	3.64	3.95	3.02	2.37	3.14	---	---	3.91	1931
1932	---	---	---	---	18.2	10.3	5.77	2.94	2.37	1.76	---	---	---	1932
1935	---	---	---	---	---	---	---	---	2.37	2.72	---	---	---	1935
1936	---	---	---	---	60.2	18.2	---	---	---	---	---	---	---	1936
1967	---	---	---	---	37.5	16.6	6.16	2.92	1.27	1.29	---	---	---	1967
1968	---	---	30.3	12.6	5.35	2.82	1.96	1.98	2.21	6.86	---	---	8.04	1968
1969	---	---	0.593	86.2	33.4	10.5	6.34	3.08	2.68	3.14	---	---	18.0	1969
1970	---	---	1.10	67.3	31.7	13.4	27.5	9.65	4.64	3.78	---	---	19.8	1970
1971	---	---	1.46	72.3	50.9	16.8	12.2	10.4	5.05	3.73	---	---	21.5	1971
1972	---	---	3.42	42.3	22.3	11.9	7.52	5.80	3.57	3.37	---	---	12.4	1972
1973	---	---	4.48	26.2	19.6	19.6	21.2	27.7	15.8	8.77	---	---	17.9	1973
1974	---	---	2.00	97.8	280	87.5	31.2	20.2	11.2	8.19	---	---	67.3	1974
1975	---	---	1.61	15.9	40.0	20.0	14.4	6.95	3.85	2.72	---	---	13.2	1975
1976	---	---	2.05	40.6	11.7	11.5	6.67	2.78	1.66	1.59	---	---	9.71	1976
1977	---	---	0.952	5.42	9.82	6.34	3.58	1.19	0.859	1.37	---	---	3.68	1977
1978	---	---	0.940	13.7	8.69	5.44	2.94	1.47	5.71	5.75	---	---	5.55	1978
1979	---	---	5.25	48.9	24.0	12.0	6.71	4.67	2.56	2.05	---	---	13.2	1979
1980	---	---	0.416	26.7	16.6	6.69	9.38	6.79	7.70	11.2	---	---	10.6	1980
1981	---	---	5.54	25.0	11.1	7.63	3.68	3.85	11.0	5.23	---	---	9.06	1981
1982	---	---	1.53	8.31	45.3	18.7	20.3	26.2	10.1	7.49	---	---	17.3	1982
1983	---	---	2.80	28.1	20.5	8.74	51.0	17.0	5.90	3.98	---	---	17.3	1983
1984	---	---	4.26	17.7	7.41	7.16	4.06	1.84	1.20	3.25	---	---	5.82	1984
1985	---	---	1.88	89.0	41.8	11.4	4.41	2.75	2.65	2.16	---	---	19.3	1985
1986	---	---	15.4	38.7	13.7	13.4	8.80	13.4	6.97	6.83	---	---	14.6	1986
1987	---	---	1.81	52.4	17.2	6.92	4.29	4.89	6.08	4.21	---	---	12.1	1987
1988	---	---	1.53	9.83	4.58	5.23	4.10	2.46	1.74	1.80	---	---	3.52	1988
1989	---	---	0.508	20.7	16.8	9.02	6.00	3.25	2.29	1.59	---	---	7.49	1989
1990	---	---	5.03	48.3	19.0	17.3	31.6	34.4	8.49	4.74	---	---	21.1	1990
MEAN	1.32	1.05	2.92	36.4	31.8	16.9	14.5	10.6	7.06	5.89	7.18	2.18	15.6	MEAN

LOCATION - LAT 52 44 07 N DRAINAGE AREA, 29 700 km²
LONG 108 20 09 W REGULATED SINCE 1973

REMARKS - PREVIOUS TO SEP 17 1975 DATA COLLECTED IN SE19-43-16-W3 AND NW25-43-17-W3

BATTLE RIVER AT BATTLEFORD - STATION NO. 05FF001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	163 ON APR 07	0.708B ON MAR 14	482 000	1913
1914	---	83.5 ON JUN 26	0.566B ON MAR 18	519 000	1914
1915	---	79.0 ON JUL 22	1.70 B ON MAR 21	588 000	1915
1916	---	72.8 ON SEP 11	0.425B ON MAR 19	730 000	1916
1917	---	210 B ON APR 22	2.38 B ON MAR 11	678 000	1917
1918	---	63.7B ON APR 08	0.425B ON MAR 06	170 000	1918
1919	---	32.0B ON APR 17	0.170B ON MAR 28	137 000	1919
1920	---	184 B ON APR 25	0 B ON MAR 01 *	623 000	1920
1921	---	326 B ON APR 19	0.085B ON MAR 14	373 000	1921
1922	---	70.8B ON APR 14	---	---	1922
1923	---	18.5 ON JUN 28	0 B ON APR 01	---	1923
1924	---	24.9B ON APR 27	0 B ON MAR 01	102 000	1924
1925	---	79.0 ON APR 10	0 ON MAR 01	268 000	1925
1926	---	114 ON APR 22	0.793B ON MAR 06	279 000	1926
1927	---	145 B ON APR 24	---	---	1927
1928	---	60.9 ON APR 26	---	---	1928
1929	---	22.0B ON APR 20	0.300 ON OCT 04	95 600	1929
1930	---	11.9B ON APR 09	0.850B ON MAR 01	62 700	1930
1931	---	31.7B ON APR 09	0.227B ON MAR 10	82 700	1931
1932	---	---	---	---	1932
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1967	---	---	---	---	1967
1968	---	45.6B ON MAR 10	0.071B ON MAR 01	170 000	1968
1969	---	247 ON APR 15	0.538B ON MAR 12	382 000	1969
1970	---	192 ON APR 15	1.08 B ON MAR 01	419 000	1970
1971	---	154 ON APR 17	1.40 B ON MAR 01	455 000	1971
1972	---	93.4B ON APR 14	1.13 B ON MAR 01	263 000	1972
1973	---	55.5 ON JUN 24	0.640B ON MAR 01	178 000	1973
1974	419 AT 06:20 CST ON MAY 09 *	411 ON MAY 09 *	1.77 B ON APR 08	1 430 000	1974
1975	---	85.0B ON APR 25	1.50 B ON MAR 01	279 000	1975
1976	---	118 B ON APR 09	1.30 B ON MAR 01	206 000	1976
1977	18.8 AT 22:30 CST ON MAY 26	18.4 ON MAY 27	0.501 ON AUG 24	78 000	1977
1978	---	24.0B ON APR 11	0.399B ON MAR 12	118 000	1978
1979	147 B AT 09:13 CST ON APR 25	136 B ON APR 25	0.315B ON MAR 18	279 000	1979
1980	---	74.1B ON APR 18	0.360B ON MAR 27	225 000	1980
1981	---	35.3 ON APR 12	2.00 B ON MAR 01	192 000	1981
1982	56.5 AT 13:30 CST ON MAY 15	56.2 ON MAY 15	1.30 B ON MAR 16	366 000	1982
1983	83.2 AT 16:40 CST ON JUL 11	81.8 ON JUL 11	1.78 B ON MAR 01	366 000	1983
1984	31.3B AT 14:43 CST ON APR 06	28.7B ON APR 08	0.837B ON OCT 30	123 000	1984
1985	172 AT 00:28 CST ON APR 16	154 ON APR 16	0.638B ON MAR 06	409 000	1985
1986	---	91.0B ON APR 05	1.60 B ON MAR 01	409 000	1986
1987	---	118 B ON APR 11	1.32 B ON MAR 04	256 000	1987
1988	18.3 AT 17:49 CST ON APR 11	16.8 ON APR 18	0.382B ON MAR 09	74 600	1988
1989	---	34.4B ON APR 18	0.438B ON MAR 19	159 000	1989
1990	124 B AT 12:56 CST ON APR 04	96.3B ON APR 04	0.601B ON MAR 01	446 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		331 000	MEAN

BATTLE RIVER NEAR UNWIN - STATION NO. 05FE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	1.71	12.1	5.17	7.35	14.5	15.0	6.98	5.06	---	---	---	1944
1945	---	---	1.53	10.7	6.73	3.31	1.68	1.50	1.10	1.06	---	---	---	1945
1946	---	---	3.08	17.0	7.61	5.38	6.07	6.29	5.44	4.98	---	---	---	1946
1947	---	---	4.58	39.2	16.0	6.40	3.49	2.72	4.19	3.07	---	---	---	1947
1948	---	---	0.367	41.7	212	60.7	15.0	8.57	5.98	5.25	---	---	---	1948
1949	---	---	0.984	9.36	6.36	2.64	3.32	6.55	2.19	1.85	1.45	0.738	---	1949
1950	0.408	0.540	1.25	10.1	12.0	5.13	4.40	2.15	0.764	2.27	1.21	0.522	3.41	1950
1951	0.567	0.498	0.581	64.2	45.7	14.6	5.87	3.88	3.08	2.40	2.10	1.52	12.9	1951
1952	0.802	1.05	0.870	95.3	25.6	11.6	9.90	5.70	3.58	2.93	2.47	1.36	15.3	1952
1953	0.967	1.15	0.998	23.5	29.6	11.2	8.79	11.7	8.46	6.32	3.81	2.33	9.07	1953
1954	1.30	0.992	1.03	5.47	23.0	40.4	25.4	12.3	47.2	26.1	15.8	7.51	17.2	1954
1955	3.63	3.02	5.12	48.8	68.0	28.4	10.7	6.72	4.07	4.33	2.24	1.01	15.6	1955
1956	0.836	0.833	0.623	79.8	68.6	17.3	13.4	8.39	6.24	4.58	2.73	1.55	17.1	1956
1957	0.586	0.636	1.80	34.6	21.2	5.94	2.77	3.74	3.29	2.32	2.40	1.45	6.72	1957
1958	0.862	1.07	0.496	47.9	17.5	5.58	2.16	1.17	1.06	1.02	0.874	0.416	6.64	1958
1959	0.301	0.113	1.22	6.20	3.83	2.14	1.05	0.768	2.02	2.70	1.77	0.608	1.89	1959
1960	0.202	0.105	4.36	21.9	8.66	3.17	2.07	1.25	1.12	1.36	1.03	0.648	3.81	1960
1961	0.487	0.141	1.08	7.19	4.14	2.22	1.08	0.454	0.270R	0.418R	0.508R	0.190	1.51 R	1961
1962	0.097	0.042	0.019R	15.2 R	7.82	5.49	13.7	3.69	1.53	0.947	0.752	1.05	4.21 R	1962
1963	0.622	0.564	9.71	48.1	20.1	9.96	13.4	4.67	2.43	1.35 R	1.07 R	1.03 R	9.42 RR	1963
1964	1.05	0.918	1.02	4.74	6.43	2.82	1.24	0.776	1.74	1.16 R	0.568R	0.374R	1.90 R	1964
1965	0.227R	0.178R	0.238	75.8	59.2	30.8	28.8	15.6	7.25	4.98	2.93	1.68 R	19.0 R	1965
1966	0.649R	0.776R	1.26	29.8	12.7	6.15	2.87	4.21	2.36	1.79	1.01	0.670	5.34 R	1966
1967	0.722	0.577	0.490	3.54	35.9	10.1	3.78	1.93	0.779	0.776	0.615R	0.314R	4.84 R	1967
1968	0.036R	0.012R	12.4	7.41	3.59	1.87	1.17	2.10	3.29	5.13	1.95	0.945	3.34 R	1968
1969	0.703	0.722	0.649	73.7	28.5	7.90	4.27	2.18	2.21	2.28	1.33	0.948R	10.4 R	1969
1970	0.662R	0.834	0.852	58.0	25.3	8.92	26.5	6.94	3.17	2.75	2.49	1.40	11.5 R	1970
1971	0.877R	0.970R	1.02 R	56.8	44.3	12.8	10.1	8.87	4.20	2.97	2.00 R	0.962R	12.2 R	1971
1972	0.635	0.673	2.95	29.7	20.1	9.34	6.04	4.40	2.56	2.36	1.75 R	0.630	6.75 R	1972
1973	0.487	0.532R	1.61 R	29.6	17.8	21.3	20.5	27.9	13.6	8.40	4.14	2.32	12.4 R	1973
1974	1.64	1.37 R	1.50 R	90.5	260	68.4	25.7	16.6	8.83	6.98	4.41	1.83 R	40.9 R	1974
1975	1.57	1.36	1.49	16.7	51.3	16.7	11.8	4.91	2.45	2.32	1.77 R	1.10 R	9.51 R	1975
1976	0.993R	0.945	1.01	29.1 R	9.47R	6.73	4.38	1.46 R	0.913R	0.885R	0.452R	0.456R	4.71 R	1976
1977	0.631R	0.647R	1.40 R	4.14	8.39	4.96	2.02	0.730R	0.774R	1.15 R	0.553	0.466	2.16 R	1977
1978	0.466	0.649	0.915	15.0	7.44	4.06	3.07R	0.993R	6.81	4.25	2.15	1.20	5.91 R	1978
1979	0.499	0.421	1.95	24.9	19.2	9.47	5.99	4.28	2.04	1.15	0.917	0.585	5.96	1979
MEAN	0.784R	0.745R	2.00 R	32.9 R	34.1 R	13.1	8.81R	5.86 R	4.83 R	3.60 R	2.23 R	1.22 R	9.25 R	MEAN

LOCATION - LAT 52 56 25 N LONG 109 52 25 W

DRAINAGE AREA 25 600 km²
REGULATED SINCE 1973

R - REVISED SINCE JAN 01 1989

REMARKS - RECORDS FROM MAR 1945 - MAY 1958 OBTAINED 0.8 KM DOWNSTREAM. STATION DISCONTINUED DEC 31 1979

BATTLE RIVER NEAR UNWIN - STATION NO. 05FE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	39.4 ON AUG 07	---	---	1944
1945	---	14.6 B ON APR 03	---	---	1945
1946	---	25.3 ON APR 03	---	---	1946
1947	---	55.2 ON APR 10	---	---	1947
1948	---	282 ON MAY 07	---	---	1948
1949	---	22.8 ON AUG 01	---	---	1949
1950	---	30.0 ON APR 22	0.227B ON JAN 26	108 000	1950
1951	---	140 ON APR 13	0.396B ON MAR 13	408 000	1951
1952	---	239 ON APR 12	0.396B ON JAN 22	422 000	1952
1953	---	51.5 ON MAY 07	0.510B ON JAN 02	286 000	1953
1954	---	51.5 ON SEP 02	0.595B ON JAN 28	544 000	1954
1955	---	131 ON MAY 03	0.595B ON DEC 31	490 000	1955
1956	---	105 ON APR 20	0.453B ON MAR 21	540 000	1956
1957	---	46.2 B ON APR 08	0.227B ON FEB 22	212 000	1957
1958	---	98.3 ON APR 11	0.198B ON DEC 14	209 000	1958
1959	---	8.38 ON APR 08	0.028B ON FEB 18	59 800	1959
1960	---	29.2 ON APR 09	0.028B ON MAR 15	120 000	1960
1961	---	10.6 ON APR 18	0.057B ON FEB 13	47 700	1961
1962	68.2 AT 06:30 CST ON JUL 20	64.6 ON JUL 20	0.006B ON MAR 24	133 000	1962
1963	---	70.2 B ON APR 01	0.133B ON FEB 07	297 000	1963
1964	---	11.7 ON MAY 12	0.274RB ON DEC 31	60 200	1964
1965	---	185 ON APR 14	0.133RB ON JAN 07	600 000	1965
1966	---	44.7 B ON APR 08	0.425B ON DEC 12	168 000	1966
1967	---	56.4 A ON MAY 06	0.161RB ON DEC 31	153 000	1967
1968	---	27.2 B ON MAR 09	0.003RB ON JAN 16 *	106 000	1968
1969	---	210 ON APR 14	0.580B ON MAR 21	328 000	1969
1970	---	121 ON APR 13	0.558RB ON JAN 21	363 000	1970
1971	189 AT 11:53 CST ON APR 17	148 ON APR 17	0.725RB ON DEC 24	384 000	1971
1972	---	50.7 A ON APR 25	0.360B ON DEC 17	213 000	1972
1973	67.4 AT 08:13 CST ON JUN 25	58.6 ON JUN 21	0.317B ON JAN 21	391 000	1973
1974	402 AT 13:07 CST ON MAY 03 *	402 ON MAY 03 *	1.29 B ON APR 04	1 290 000	1974
1975	---	92.3 E ON APR 30	0.816RB ON DEC 27	300 000	1975
1976	---	58.0 A ON APR 13	0.275RB ON NOV 28	149 000	1976
1977	16.6 AT 15:56 CST ON MAY 21	16.1 ON MAY 21	0.334B ON NOV 23	68 200	1977
1978	29.7 AT 23:57 CST ON APR 09	27.8 ON APR 11	0.382B ON JAN 15	123 000	1978
1979	98.6B AT 02:00 CST ON APR 23	58.0 B ON APR 23	0.134B ON FEB 01	188 000	1979
				292 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

BEAR CREEK AT BERTRAM'S RANCH - STATION NO. 05HA005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	---	0.183	---	---	---	1909
1910	---	---	---	0.247	0.124	0.072	0.030	0.035	0.136	0.183	---	---	0.118	1910
1911	---	---	---	0.841	0.374	0.190	0.076	0.052	0.168	0.167	---	---	0.265	1911
1912	---	---	---	---	0.882	0.494	0.172	0.117	0.114	0.170	---	---	---	1912
1913	---	---	---	2.21	0.400	0.131	0.081	0.003	0.036	0.153	---	---	0.425	1913
1914	---	---	---	0.636	0.246	0.113	0.002	0	0.012	0.225	---	---	0.175	1914
MEAN	---	---	---	0.984	0.405	0.200	0.073	0.041	0.093	0.180	---	---	0.246	MEAN

LOCATION - LAT 49 51 50 N DRAINAGE AREA, 95.6 km²
LONG 109 05 40 W NATURAL FLOW

BEAR CREEK AT BERTRAM'S RANCH - STATION NO. 05HA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0.430 ON APR 01	0.003 ON JUL 15	2 170	1910
1911	---	2.18 ON APR 10	0.006 ON JUL 16	4 900	1911
1912	---	---	---	---	1912
1913	---	7.25 ON APR 06 *	0 ON JUL 18 *	7 860	1913
1914	---	1.95 ON APR 04	0 ON JUL 14	3 240	1914
				4 540	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAR CREEK NEAR PIAPOT - STATION NO. 05HA003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	0.152	0.189	0.149	0.405	---	---	---	1908
1909	---	---	---	---	1.56	2.41	1.16	0.173	0.144	0.290	---	---	---	1909
1910	---	---	---	0.470	0.241	0.135	0.043	0.030	0.106	0.185	---	---	---	1910
1911	---	---	---	---	1.07	0.317	0.237	0.094	0.284	0.257	---	---	---	1911
1912	---	---	---	4.81	1.10	0.620	0.156	0.127	0.120	0.227	---	---	---	1912
1913	---	---	---	3.55	0.387	0.153	0.113	0.028	0.015	0.101	---	---	---	1913
1914	---	---	---	0.957	0.285	0.118	0.006	0	0.020	0.196	---	---	---	1914
1915	---	---	---	1.42	0.445	0.454	0.269	0.067	0.141	0.275	---	---	---	1915
1916	---	---	2.44	0.782	0.953	1.36	0.437	0.203	0.298	0.486	---	---	0.871	1916
1917	---	---	---	5.11	2.96	0.683	0.169	0.106	0.144	0.271	---	---	---	1917
1918	---	---	---	1.47	0.411	0.239	0.124	0.030	0.030	0.097	---	---	---	1918
1919	---	---	0.087	1.25	0.365	0.117	0.052	0.007	0.005	0.025	---	---	0.236	1919
1920	---	---	0.919	2.81	0.877	0.374	0.116	0.003	0	0.024	---	---	0.635	1920
1921	---	---	0.640	2.37	0.710	0.171	0.122	0.028	0.073	0.177	---	---	0.532	1921
1922	---	---	0.353	4.43	1.55	0.256	0.119	0.014	0.003	0.062	---	---	0.839	1922
1923	---	---	0.160	1.03	0.352	0.428	0.185	0.125	0.035	0.063	---	---	0.295	1923
1924	---	---	0.007	0.688	0.294	0.224	0.036	0.081	0.014	0.032	---	---	0.170	1924
1925	---	0.091	1.08	3.20	0.504	0.322	0.027	0.002	0.026	0.104	---	---	0.651	1925
1926	---	0.067	1.61	0.791	0.317	0.138	0.089	0	0.016	0.062	---	---	0.378	1926
1927	---	---	0.066	1.68	2.62	1.02	0.138	0.068	0.124	0.383	---	---	1.03	1927
1928	---	---	1.24	0.497	0.300	0.581	0.087	0.105	0.058	0.149	---	---	0.479	1928
1929	---	---	0.660	2.02	0.860	0.517	0.162	0.002	0.009	0.025	---	---	0.528	1929
1930	---	---	0.451	1.17	0.523	0.417	0.204	0.086	0.006	0.009	---	---	0.356	1930
1931	---	---	0.081	---	---	---	---	---	---	---	---	---	---	1931
1936	---	---	0.387	3.59	0.385	0.118	---	---	---	---	---	---	---	1936
1963	---	---	1.19	0.583	0.347	0.305	0.269	0.004	0	0	---	---	0.338	1963
1964	---	---	0.047	0.757	0.686	0.237	0.025	0.002	0.006	0.021	---	---	0.221	1964
1965	---	---	0.046	4.93	0.931	0.379	0.413	0.046	0.265	0.188	---	---	0.888	1965
1966	---	---	1.26	1.01	0.564	0.312	0.079	0.032	0.038	0.171	---	---	0.433	1966
1967	---	---	0.803	1.53	1.18	0.328	0.070	0.030	0.014	0.037	---	---	0.751	1967
1968	---	---	0.741	0.456	0.478	0.166	0.066	0.058	0.053	0.077	---	---	0.262	1968
1969	---	---	0.678	2.70	0.643	0.211	0.286	0.014	0	0.078	---	---	0.571	1969
1970	---	---	0.316	2.56	1.81	0.335	0.111	0.005	0	0.067	---	---	0.646	1970
1971	---	---	0.243	2.39	0.716	0.225	0.022	0.001	0	0.001	---	---	0.445	1971
1972	---	---	1.23	0.377	0.514	0.201	0.058	0	0.004	0.037	---	---	0.304	1972
1973	---	---	0.456	0.563	0.313	0.852	0.021	0.001	0.001	0.003	---	---	0.274	1973
1974	---	---	0.370	0.921	1.15	0.281	0.018	0.048	0.018	0.072	---	---	0.360	1974
1975	---	---	0.184	1.48	1.91	0.564	0.083	0.046	0.072	0.172	---	---	0.562	1975
1976	0.092	0.239	1.18	0.840	0.115	0.158	0.059	0.004	0	0	---	---	0.294	1976
1977	---	---	0.186	0.348	0.115	0.005	0.001	0	0	0.002	---	---	0.082	1977
1978	---	---	0.642	0.772	0.543	0.213	0.020	0.003	0.009	0.059	---	---	0.292	1978
1979	---	---	0.698	2.67	1.27	0.340	0.189	0.026	0.002	0.015	---	---	0.646	1979
1980	---	---	0.469	0.626	0.066	0.038	0.001	0.001	0	0.011	---	---	0.151	1980
1981	---	0.382	0.224	0.168	0.147	0.487	0.046	0.005	0	0	---	---	0.136	1981
1982	---	---	0.368	1.72	0.547	1.14	0.274	0.012	0.030	0.192	---	---	0.529	1982
1983	---	---	1.02	0.858	0.881	0.202	0.174	0.003	0	0.006	---	---	0.394	1983
1984	---	---	0.320	0.311	0.191	0.105	0.005	0	0	0.001	---	---	0.116	1984
1985	---	---	0.616	2.70	0.538	0.096	0.003	0	0.031	0.084	---	---	0.503	1985
1986	0.358	0.885	0.391	0.273	1.05	0.237	0.111	0.009	0.204	0.317	---	---	0.350	1986
1987	---	0.362	0.290	1.16	0.226	0.089	0.050	0.094	0.057	0.125	---	---	0.348	1987
1988	---	0.235	0.504	0.326	0.179	0.017	0.002	0	0	0	---	---	0.121	1988
1989	---	0.093	0.563	0.607	0.387	0.586	0.049	0.007	0.025	0.074	---	---	0.286	1989
1990	---	---	1.11	0.496	0.343	0.108	0.032	0.031	0.002	0	---	---	0.266	1990
MEAN	0.225	0.294	0.633	1.64	0.762	0.380	0.152	0.040	0.052	0.112	---	---	0.428	MEAN

LOCATION - LAT 49 53 55 N DRAINAGE AREA, 253 km²
LONG 109 06 20 W REGULATED

REMARKS - GAUGE HAS BEEN LOCATED AT VARIOUS LOCATIONS IN VICINITY OF PRESENT SITE

BEAR CREEK NEAR PIAPOT - STATION NO. 05HA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	4.50 B ON MAR 16	0 ON JUL 09 *	---	1914
1915	---	9.57 ON APR 04	---	---	1915
1916	---	11.5 ON MAR 12	0 E ON MAR 02	18 400	1916
1917	---	12.8 ON APR 22	---	---	1917
1918	---	10.2 ON MAR 26	---	---	1918
1919	---	3.31 B ON APR 02	0 ON JUL 21	4 990	1919
1920	---	10.9 ON APR 14	0 B ON MAR 01	13 400	1920
1921	---	13.1 ON APR 14	0 B ON MAR 07	11 300	1921
1922	28.9 ON APR 22 *	19.2 ON APR 22 *	0 ON AUG 28	17 800	1922
1923	---	3.11 B ON APR 16	0 ON SEP 14	6 240	1923
1924	---	4.36 B ON APR 07	0 B ON MAR 08	3 610	1924
1925	---	10.6 ON APR 05	0 B ON MAR 01	13 800	1925
1926	---	6.12 ON MAR 19	0 ON JUL 31	8 000	1926
1927	---	16.0 ON APR 26	0 B ON MAR 01	21 800	1927
1928	---	8.55 B ON MAR 21	0 B ON MAR 01	10 100	1928
1929	---	7.50 ON APR 22	0 ON JUL 26	11 200	1929
1930	---	3.77 ON APR 05	0 ON SEP 07	7 540	1930
1931	---	---	---	---	1931
1936	---	12.7 E ON APR 14	0 B ON MAR 01	---	1936
1963	6.14 AT 21:00 MST ON MAR 24	4.98 ON MAR 25	0 ON AUG 08	7 150	1963
1964	3.79 AT 10:00 MST ON MAY 08	3.34 ON MAY 08	0 B ON MAR 01	4 680	1964
1965	22.0 AT 07:00 MST ON APR 25	15.5 ON APR 25	0 B ON MAR 03	18 800	1965
1966	10.5 AT 01:00 MST ON MAR 31	6.94 ON MAR 30	0 ON JUL 31	9 170	1966
1967	17.4 AT 11:00 MST ON MAY 06	12.4 ON MAY 10	0 B ON MAR 07	15 900	1967
1968	---	1.38 B ON MAR 07	0.017 ON JUL 21	5 550	1968
1969	17.2 AT 07:50 MST ON APR 07	11.8 ON APR 07	0 B ON MAR 01	12 100	1969
1970	16.3 AT 10:05 MST ON APR 11	11.8 ON APR 11	0 ON AUG 15	13 700	1970
1971	7.02 AT 12:49 CST ON APR 16	5.52 ON APR 16	0 ON JUL 22	9 420	1971
1972	11.3 B AT 14:28 CST ON MAR 17	7.96 B ON MAR 17	0 B ON MAR 01	6 440	1972
1973	19.5 AT 09:18 CST ON JUN 15	12.2 ON JUN 15	0 ON AUG 02	5 790	1973
1974	4.53 B AT 05:00 CST ON MAR 29	3.94 ON MAY 25	0 B ON MAR 04	7 620	1974
1975	14.5 AT 06:33 CST ON MAY 07	11.2 ON MAY 07	0 B ON MAR 01	11 900	1975
1976	10.9 B AT 12:01 CST ON MAR 19	9.17 B ON MAR 19	0 B ON MAR 16	6 230	1976
1977	1.86 AT 15:40 CST ON APR 08	1.37 ON APR 08	0 ON JUN 21	1 730	1977
1978	5.13 B AT 13:56 CST ON MAR 30	4.18 B ON MAR 30	0.001 ON JUL 28	5 970	1978
1979	23.7 AT 07:17 CST ON APR 18	17.3 ON APR 18	0.001 ON AUG 30	13 700	1979
1980	3.94 B AT 22:05 CST ON MAR 29	3.12 B ON MAR 30	0 ON JUL 05	3 190	1980
1981	6.63 AT 08:10 CST ON JUN 15	5.16 ON JUN 15	0 ON AUG 23	2 880	1981
1982	12.0 AT 12:38 CST ON APR 14	9.93 ON APR 14	0 ON SEP 24	11 200	1982
1983	11.3 AT 13:50 CST ON MAR 31	7.53 ON MAR 31	0 ON AUG 08	8 130	1983
1984	0.928 AT 04:50 CST ON MAR 25	0.767 ON MAR 25	0 ON JUL 16	2 460	1984
1985	13.7 AT 13:38 CST ON APR 13	9.44 ON APR 13	0 ON JUL 31	10 600	1985
1986	13.7 B AT 10:50 CST ON FEB 26	3.64 ON MAY 12	0.001 ON SEP 02	7 420	1986
1987	7.44 AT 12:32 CST ON APR 01	5.08 ON APR 01	0.008 ON JUL 17	7 370	1987
1988	1.77 B AT 16:25 CST ON MAR 22	1.64 B ON MAR 22	0 ON JUL 16	2 570	1988
1989	4.74 AT 07:01 CST ON JUN 12	3.67 ON JUN 12	0 ON AUG 13	6 050	1989
1990	3.70 AT 15:27 CST ON MAR 30	2.90 ON MAR 30	0 ON SEP 06	5 630	1990
				9 070	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AF005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	0.021	0.039	0.035	0.036	0.028	---	1977
1978	0.016	0.011	3.05	0.227	0.086	0.107	0.096	0.027	0.051	0.051	0.045	0.034	0.420	1978
1979	0.029	0.041	0.659	3.48	0.339	0.078	0.042	0.041	0.032	0.040	0.039	0.047	0.523	1979
1980	0.052	0.030	0.343	0.106	0.033	0.027	0.030	0.030	0.033	0.038	0.035	0.042	0.075	1980
1981	0.039	0.567	0.053	0.038	0.031	0.029	0.028	0.023	0.025	0.029	0.039	0.044	0.033	1981
1982	0.011	0.009	0.024	6.38	0.434	0.107	0.118	0.043	0.035	0.044	0.042	---	0.791	1982
1983	---	---	1.18	0.205	0.109	0.034	0.021	0.017	0.023	0.029	0.036	---	0.185	1983
1984	---	---	0.695	0.082	0.031	0.023	0.016	0.018	0.023	0.028	0.033	---	0.106	1984
1985	---	---	1.09	0.088	0.040	0.028	0.015	0.465	0.066	0.054	0.042	---	0.212	1985
1986	---	1.82	1.37	0.056	0.093	0.040	0.178	0.029	0.039	0.045	0.030	---	0.212	1986
1987	0.040	0.200	0.561	0.537	0.039	0.039	0.055	0.031	0.032	0.036	0.032	---	0.161	1987
1988	---	---	0.049	0.041	0.031	0.210	0.059	0.023	0.021	0.029	0.032	---	0.125	1988
1989	---	---	1.05	0.130	0.058	0.034	0.019	0.022	0.035	0.023	0.026	---	0.157	1989
1990	---	---	0.044	0.044	0.024	0.020	0.089	0.016	0.013	0.018	0.010	---	0.031	1990
MEAN	0.031	0.383	0.782	0.878	0.104	0.060	0.059	0.058	0.033	0.036	0.034	0.039	0.227	MEAN

LOCATION - LAT 48 59 59 N LONG 105 02 06 W
DRAINAGE AREA, 387 km²
NATURAL FLOW
INTERNATIONAL GAUGING STATION

BEAVER CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	---	11.3 B ON MAR 22	0.021 ON AUG 11	9 990	1978
1979	32.8 B AT 05:16 CST ON APR 18	24.9 RB ON APR 18	0.025 ON SEP 20	12 400	1979
1980	2.60B AT 05:10 CST ON MAR 20	1.53 B ON MAR 20	0.017B ON MAR 09	1 790	1980
1981	5.39B AT 05:29 CST ON FEB 17	0.083 ON MAR 01	0.018 ON AUG 29	781	1981
1982	47.6 AT 23:42 CST ON APR 14 *	36.1 B ON APR 14 *	0.021B ON MAR 23	18 800	1982
1983	11.0 B AT 11:00 CST ON MAR 30	6.93 B ON MAR 30	0.015 ON AUG 16	4 400	1983
1984	6.64B AT 03:43 CST ON MAR 21	5.05 B ON MAR 21	0.014 ON JUL 11	2 530	1984
1985	29.6 AT 08:44 CST ON AUG 02	7.22 ON AUG 02	0.013 ON JUL 10	5 030	1985
1986	27.7 B AT 05:40 CST ON FEB 26	5.52 B ON MAR 01	0.021 ON SEP 01	5 030	1986
1987	16.0 B AT 05:07 CST ON APR 01	9.11 B ON APR 01	0.023 ON JUN 18	3 600	1987
1988	14.9 AT 02:30 CST ON JUN 30	5.66 ON JUN 30	0.012 ON JUN 25	1 300	1988
1989	10.2 B AT 07:04 CST ON MAR 26	7.01 B ON MAR 26	0.016 ON JUL 19	3 730	1989
1990	2.41 AT 08:53 CST ON JUL 03	1.30 ON JUL 03	0.004B ON NOV 21 *	741	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		5 390	MEAN

BEAVER CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AF004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	0.054	0.038	0.012	0.020	0.028	0.059	---	---	---	1949
1950	---	---	0.005	3.21	0.192	0.256	0.043	0.149	0.041	0.057	---	---	---	1950
1951	---	---	0.015	5.74	0.519	0.081	0.048	0.037	0.065	0.069	---	---	---	1951
1952	---	---	0.045	12.0	0.074	0.045	0.043	0.043	0.035	0.050	---	---	---	1952
MEAN	---	---	0.022	6.98	0.210	0.105	0.037	0.062	0.042	0.059	---	---	---	MEAN

LOCATION - LAT 48 59 20 N LONG 105 00 40 W DRAINAGE AREA, 458 km² REGULATED INTERNATIONAL GAUGING STATION

BEAVER CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AF004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	---	---	---	---	1949
1950	---	---	---	---	1950
1951	---	---	---	---	1951
1952	---	---	---	---	1952
				---	MEAN

BEAVER RIVER BELOW WATERHEN RIVER - STATION NO. 06AG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	44.7	40.7	43.0	88.1	219	124	163	147	83.8	53.7	39.3	22.2	89.6	1971
1972	17.0	15.4	20.0	60.7	149	77.4	46.7	33.8	35.0	36.4	27.8	41.8	44.4	1972
1973	11.2	13.7	15.1	40.6	92.2	133	183	124	145	125	141	72.4	91.8	1973
1974	44.5	44.3	55.7	152	549	387	207	139	123	112	75.4	50.1	162	1974
1975	34.8	25.5	32.6	67.4	190	152	173	143	110	84.2	54.7	35.0	92.3	1975
1976	31.6	26.9	35.6	84.9	62.7	43.2	70.5	72.8	63.9	48.1	34.9	18.3	50.4	1976
1977	10.6	19.8	17.4	38.1	61.9	66.9	42.6	46.9	41.2	42.4	31.5	16.6	37.2	1977
1978	14.2	16.0	20.8	64.0	135	133	79.4	48.3	52.3	61.1	27.1	16.7	55.8	1978
1979	12.9	10.3	16.1	30.5	150	123	96.7	67.2	57.4	45.4	29.0	23.4	55.5	1979
1980	18.0	13.4	15.2	57.8	53.5	28.6	20.9	39.8	59.3	66.5	48.2	24.7	37.2	1980
1981	27.0	24.2	28.5	61.4	59.1	33.1	38.8	26.8	15.6	13.9	8.79	5.80	28.6	1981
1982	4.57	3.83	3.47	28.8	74.2	42.1	35.9	36.1	28.8	32.0	25.1	18.4	27.9	1982
1983	13.0	12.4	17.3	49.1	51.9	27.7	30.0	32.6	22.9	25.5	21.7	17.1	26.8	1983
1984	11.0	11.6	14.1	46.1	61.1	114	61.3	32.0	28.6	27.5	20.3	17.3	37.0	1984
1985	12.7	10.8	15.5	84.8	180	116	47.0	35.0	30.8	27.1	15.0	10.3	48.9	1985
1986	11.8	9.87	12.1	59.6	68.1	55.8	50.6	108	61.0	45.3	35.1	25.2	45.2	1986
1987	23.4	22.2	23.3	79.3	80.8	44.1	29.4	25.8	27.6	27.1	19.4	14.6	34.8	1987
1988	6.85	7.74	11.6	36.5	41.5	26.3	46.1	55.4	74.4	55.1	38.5	25.7	35.5	1988
1989	22.6	19.1	17.0	43.9	58.0	47.9	38.3	22.4	25.6	28.5	24.5	19.2	30.6	1989
1990	17.6	13.5	22.6	72.9	95.3	42.6	31.8	20.7	16.5	16.2	12.5	7.91	30.9	1990
MEAN	20.0	18.6	21.8	62.3	122	90.9	74.6	62.8	55.1	48.7	36.5	22.6	53.1	MEAN

LOCATION - LAT 54 49 09 N LONG 107 48 38 W DRAINAGE AREA, 45 000 km² NATURAL FLOW

BEAVER RIVER BELOW WATERHEN RIVER - STATION NO. 06AG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	272 AT 14:00 CST ON MAY 12	271 ON MAY 12	17.5 B ON DEC 30	2 830 000	1971
1972	164 AT 17:22 CST ON MAY 19	163 ON MAY 19	9.34B ON DEC 25	1 400 000	1972
1973	289 AT 23:25 CST ON JUL 02	283 ON JUL 01	8.38B ON MAR 14	2 900 000	1973
1974	708 AT 19:13 CST ON MAY 10 *	688 ON MAY 09 *	40.8 B ON FEB 17	5 110 000	1974
1975	219 AT 15:32 CST ON MAY 11	211 ON MAY 09	21.7 B ON FEB 08	2 910 000	1975
1976	---	102 ON APR 14	11.9 B ON DEC 30	1 600 000	1976
1977	98.8 AT 04:58 CST ON MAY 31	97.7 ON MAY 31	14.0 B ON DEC 07	1 170 000	1977
1978	149 AT 10:24 CST ON JUN 18	148 ON JUN 18	9.57B ON NOV 20	1 760 000	1978
1979	173 B AT 16:04 CST ON MAY 04	165 ON MAY 09	9.83B ON FEB 21	1 750 000	1979
1980	112 AT 02:06 CST ON APR 22	110 ON APR 20	11.7 B ON FEB 20	1 180 000	1980
1981	77.0 AT 21:54 CST ON APR 17	74.1 ON APR 21	4.50B ON DEC 10	903 000	1981
1982	107 B AT 22:08 CST ON APR 28	101 B ON APR 29	3.04B ON MAR 08 *	880 000	1982
1983	80.4B AT 13:41 CST ON APR 19	75.3 ON MAY 02	9.36B ON MAR 01	846 000	1983
1984	---	122 ON JUN 11	9.12B ON MAR 09	1 170 000	1984
1985	198 AT 18:26 CST ON MAY 17	196 ON MAY 18	8.90B ON DEC 21	1 540 000	1985
1986	118 AT 13:48 CST ON AUG 07	118 ON AUG 07	6.23B ON FEB 25	1 430 000	1986
1987	128 AT 11:09 CST ON APR 23	127 ON APR 23	9.83B ON DEC 31	1 100 000	1987
1988	86.6 AT 22:22 CST ON SEP 07	86.0 ON SEP 07	5.69B ON JAN 01	1 120 000	1988
1989	69.3B AT 01:00 CST ON APR 24	65.6 ON MAY 11	14.8 B ON MAR 11	966 000	1989
1990	117 B AT 14:46 CST ON APR 10	112 B ON APR 10	6.59B ON DEC 31	976 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 680 000	MEAN

BEAVER RIVER NEAR DORINTOSH - STATION NO. 06AD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	115	62.1	48.2	36.4	20.4	---	---	---	---	1933
1934	---	---	---	---	57.8	38.4	59.5	30.7	14.3	14.6	---	---	---	1934
1935	---	---	---	---	111	53.2	38.0	83.5	37.6	27.0	---	---	---	1935
1936	---	---	---	---	127	50.2	26.5	13.2	13.0	16.1	---	---	---	1936
1937	---	---	---	---	27.7	13.2	9.30	8.56	8.85	6.86	---	---	---	1937
1938	---	---	---	---	25.4	9.01	3.94	2.95	2.61	2.18	---	---	---	1938
1939	---	---	---	---	32.9	19.1	18.2	7.76	3.37	3.39	---	---	---	1939
1940	---	---	---	---	15.7	13.5	10.2	6.81	4.52	2.64	---	---	---	1940
1960	---	---	---	140	98.1	119	118	---	---	---	---	---	---	1960
1961	---	---	---	87.7	102	47.8	37.0	51.8	24.3	---	---	---	---	1961
1962	---	---	---	61.2	87.7	325	179	127	66.7	44.2	31.3	---	---	1962
1963	---	---	6.23	114	164	64.2	28.4	15.3	10.3	6.55	---	---	---	1963
1964	---	---	2.85	16.4	37.3	17.0	8.17	14.4	21.2	24.7	---	---	---	1964
1965	---	---	4.92	42.5	107	172	100	29.9	36.8	26.8	---	---	---	1965
1966	---	---	3.80	57.2	43.5	55.3	22.7	18.9	25.6	13.5	---	---	---	1966
1967	---	---	4.48	7.88	69.2	28.0	13.0	11.6	6.25	4.38	---	---	---	1967
1968	---	---	2.97	15.5	12.2	9.42	5.34	6.67	9.26	23.5	---	---	---	1968
1969	---	---	3.74	87.8	81.6	35.9	16.0	16.6	15.6	24.1	---	---	---	1969
1970	---	---	5.38	73.7	64.0	31.0	181	100	65.9	57.5	---	---	---	1970
1971	---	---	11.7	98.3	159	63.6	155	60.5	26.7	16.0	11.1	6.97	---	1971
1972	6.73	5.31	7.10	62.7	109	30.7	13.8	9.36	7.35	9.08	6.80	3.72	22.6	1972
1973	3.41	4.24	3.42	28.8	35.3	58.9	54.8	54.7	62.5	51.8	49.3	22.7	35.9	1973
1974	13.4	11.8	10.2	137	372	152	59.5	36.8	29.2	24.3	15.8	14.2	73.4	1974
1975	8.67	7.83	8.76	43.8	129	82.5	110	47.8	40.9	26.3	11.9	12.6	44.5	1975
1976	10.9	9.72	7.95	47.1	24.5	17.9	68.5	42.8	30.5	16.4	8.40	4.63	24.2	1976
1977	4.98	4.90	4.88	28.5	39.3	33.4	16.3	20.8	14.9	18.1	9.63	6.00	16.8	1977
1978	5.59	5.82	7.66	32.1	62.7	97.1	23.4	13.1	26.8	32.2	12.6	6.03	27.1	1978
1979	4.17	4.70	5.59	43.1	120	85.6	52.3	28.0	21.7	17.8	9.66	6.24	33.4	1979
1980	5.19	2.98	3.42	44.2	20.0	10.4	6.75	29.2	34.5	34.2	16.5	7.00	17.9	1980
1981	5.62	5.88	10.3	46.4	23.8	10.3	25.6	11.5	4.78	3.73	3.48	2.35	12.8	1981
1982	2.14	1.76	1.78	24.8	37.2	18.1	13.4	12.0	5.89	5.34	2.92	2.32	10.7	1982
1983	2.69	2.76	2.96	17.6	13.1	9.37	20.5	17.0	9.92	8.30	5.94	3.88	9.30	1983
1984	1.74	2.38	2.80	27.2	27.3	67.7	21.0	10.1	7.76	8.01	7.08	4.91	15.6	1984
1985	3.08	2.32	3.47	59.0	109	33.4	15.0	6.27	4.61	4.89	1.88	1.55	20.4	1985
1986	2.02	2.54	3.25	30.9	28.4	22.9	40.5	61.5	17.1	7.83	5.58	4.08	18.9	1986
1987	4.27	4.16	4.82	62.1	40.4	22.9	11.3	7.90	7.58	5.22	3.17	2.25	14.7	1987
1988	1.72	1.63	1.92	19.4	13.2	11.2	15.7	28.0	27.1	10.0	5.94	3.64	13.3	1988
1989	2.87	2.57	2.52	19.7	19.6	26.0	16.7	7.47	8.64	9.75	5.81	4.11	10.5	1989
1990	3.61	3.50	4.06	45.9	45.5	18.1	16.0	5.75	3.48	3.23	2.27	1.66	12.8	1990
MEAN	4.88	4.57	5.13	52.4	72.0	52.2	43.5	28.7	20.3	17.0	10.8	6.07	22.9	MEAN

LOCATION - LAT 54 17 47 N DRAINAGE AREA, 20 500 km^2
LONG 108 36 16 W NATURAL FLOW

BEAVER RIVER NEAR DORINTOSH - STATION NO. 06AD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933					
1934	---	158 ON MAY 16	---	---	1933
	---	---	---	---	1934
1935	---	182 ON MAY 03	---	---	1935
1936	---	178 ON MAY 19	---	---	1936
1937	---	---	---	---	1937
1938	---	---	---	---	1938
1939	---	---	---	---	1939
1940	---	---	---	---	1940
1960	---	229 E ON APR 18	---	---	1960
1961	---	161 ON APR 25	---	---	1961
1962	---	654 ON JUN 18 *	---	---	1962
1963	268 AT 07:00 CST ON APR 26	266 ON APR 26	---	---	1963
1964	---	48.1 ON MAY 15	---	---	1964
1965	---	211 ON JUN 18	---	---	1965
1966	---	93.4B ON APR 14	---	---	1966
1967	---	101 B ON MAY 06	---	---	1967
1968	28.6 AT 12:00 CST ON OCT 04	28.6 ON OCT 04	---	---	1968
1969	176 AT 20:00 CST ON APR 25	175 ON APR 25	---	---	1969
1970	241 AT 22:00 CST ON JUL 17	240 ON JUL 16	---	---	1970
1971	261 AT 18:18 CST ON MAY 03	260 ON MAY 03	---	---	1971
1972	---	155 A ON APR 25	2.60 B ON DEC 31	717 000	1972
1973	116 AT 07:24 CST ON JUN 27	115 ON JUN 27	2.53 B ON JAN 01	1 130 000	1973
1974	614 AT 18:59 CST ON APR 28 *	566 ON APR 28	9.40 B ON MAR 19	2 320 000	1974
1975	177 AT 09:30 CST ON APR 28	177 ON APR 28	6.29 B ON JAN 28	1 400 000	1975
1976	104 AT 19:09 CST ON JUL 23	104 ON JUL 23	4.13 B ON DEC 19	764 000	1976
1977	82.4 AT 03:14 CST ON APR 19	75.3 ON APR 19	4.22 B ON FEB 12	531 000	1977
1978	---	158 A ON JUN 11	5.10 B ON JAN 29	855 000	1978
1979	---	220 A ON MAY 01	3.55 B ON JAN 12	1 050 000	1979
1980	138 A AT 20:31 CST ON APR 18	132 A ON APR 18	2.36 B ON FEB 28	565 000	1980
1981	64.6B AT 00:19 CST ON APR 06	62.8B ON APR 06	1.49 B ON DEC 29	404 000	1981
1982	117 B AT 17:54 CST ON APR 26	106 B ON APR 26	1.50 B ON FEB 10	337 000	1982
1983	34.1 AT 03:47 CST ON APR 19	31.5B ON APR 18	2.14 B ON MAR 19	293 000	1983
1984	97.4 AT 23:19 CST ON JUN 09	97.0 ON JUN 10	0.918B ON JAN 10 *	494 000	1984
1985	142 AT 15:18 CST ON MAY 16	142 ON MAY 16	1.15 B ON NOV 27	645 000	1985
1986	123 AT 16:57 CST ON JUL 31	121 ON JUL 31	1.61 B ON JAN 01	595 000	1986
1987	119 AT 13:20 CST ON APR 16	118 ON APR 16	1.90 B ON DEC 31	463 000	1987
1988	49.5 AT 17:18 CST ON JUL 27	49.4 ON JUL 27	1.33 B ON FEB 12	422 000	1988
1989	---	30.5B ON APR 20	2.36 B ON MAR 02	331 000	1989
1990	96.6B AT 08:53 CST ON APR 08	92.7B ON APR 08	1.56 B ON DEC 20	403 000	1990
				722 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVERDAM CREEK NEAR WEYBURN - STATION NO. 05NB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	0	0	0	0	0	0	0	0	---	---	---	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	---	1920
1921	---	---	0	0	0	0.001	0	0	0	0	---	---	---	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	---	1922
1925	---	---	0	0	0	0	0	0	0	0	---	---	---	1925
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 35 50 N
LONG 103 57 55 W
DRAINAGE AREA, 241 km^2
NATURAL FLOW

BEAVERDAM CREEK NEAR WEYBURN - STATION NO. 05NB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	---	---	---	1922
1925	---	---	---	---	1925
				---	MEAN

BECKETT BROOK NEAR FOAM LAKE - STATION NO. 05MA022

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	0.769	---	---	---	---	---	---	---	---	---	1962
1963	---	---	0.151	---	---	---	---	---	---	---	---	---	---	1963
1965	---	---	---	0.583	---	---	---	---	---	---	---	---	---	1965
1968	---	---	0.593	---	---	---	---	---	---	---	---	---	---	1968
1970	---	---	---	0.860	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.64	---	---	---	---	---	---	---	---	---	1971
1974	---	---	---	1.71	1.07	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.69	1.23	0.019	0	0	0	0	---	---	0.366	1975
1976	---	---	0	2.30	0.028	0.472	0.145	0	0	0	---	---	0.361	1976
1977	---	---	0	0.070	0.005	0	0	0	0	0	---	---	0.009	1977
1978	---	---	0.004	0.181	0.007	0.041	0.039	0	0	0	---	---	0.034	1978
1979	---	---	0	2.34	0.768	0.002	0	0	0.001 0	0	---	---	0.384	1979
1980	---	---	0	0.918	0	0	0	0	0	0	---	---	0.112	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.274	0.017	0	0	0	0	0	---	---	0.036	1982
1983	---	---	0	0.374	0.239	0.002	1.14	0.066	0.001	0.001	---	---	0.229	1983
1984	---	---	0.083	0.147	0.007	0.001	0.004	0	0	0	---	---	0.030	1984
1985	---	---	0	2.38	0.088	0.004	0	0	0	0	---	---	0.304	1985
MEAN	---	0	0.064	1.01	0.288	0.049	0.121	0.006	0	0	---	---	0.170	MEAN

LOCATION - LAT 51 39 30 N DRAINAGE AREA, 632 km²
LONG 103 36 12 W NATURAL FLOW

BECKETT BROOK NEAR FOAM LAKE - STATION NO. 05MA022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1965	---	---	---	---	1965
1968	---	---	---	---	1968
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	---	---	---	---	1974
1975	8.58 AT 03:40 CST ON APR 30	7.59 ON APR 30	OB ON MAR 01 *	7 740	1975
1976	10.5 AT 19:00 CST ON APR 08 *	12.2 ON APR 08 *	OB ON MAR 01	7 640	1976
1977	0.643 AT 12:21 CST ON APR 13	0.493 ON APR 13	OB ON MAR 01	197	1977
1978	1.29 B AT 13:50 CST ON APR 10	1.04 B ON APR 10	OB ON MAR 01	710	1978
1979	11.8 AT 08:56 CST ON APR 25	10.2 B ON APR 25	OB ON MAR 01	8 130	1979
1980	6.83 B AT 11:31 CST ON APR 06	3.49 B ON APR 11	OB ON MAR 01	2 380	1980
1981	0.001 ON FEB 20	0 B ON MAR 01	OB ON MAR 01	0	1981
1982	2.26 B AT 13:30 CST ON APR 13	1.30 ON APR 16	OB ON MAR 01	756	1982
1983	6.45 AT 10:48 CST ON JUL 11	5.17 ON JUL 11	OB ON MAR 01	4 850	1983
1984	1.21 AT 10:41 CST ON JUL 12	0.693B ON MAR 29	OB ON MAR 01	633	1984
1985	6.88 AT 02:16 CST ON APR 14	6.62 ON APR 14	OB ON MAR 01	6 430	1985
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 590	MEAN

BELANGER CREEK ABOVE CYPRESS LAKE EAST INFLOW CANAL - STATION NO. 11AC016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1913	---	---	---	3.41	0.599	0.305	0.242	---	0.126	0.194	---	---	---	1913
1914	---	---	---	2.08	0.281	0.204	0.171	0.121	0.087	0.096	---	---	---	1914
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	---	0.586	0.196	0.200	0.197	---	---	---	1916
1917	---	---	---	0.573	0.731	0.823	0.540	0.447	0.295	0.346	---	---	---	1917
1918	---	---	---	---	---	0.511	0.312	0.276	0.268	0.263	---	---	---	1918
1919	---	---	---	2.08	0.369	0.272	0.147	0.121	0.105	0.111	---	---	---	1919
				0.863	0.153	0.088	0.065	0.046	0.049	0.064	---	---	---	
1920	---	---	0.089	2.63	0.847	0.323	0.202	0.077	0.088	0.107	---	---	0.540	1920
1921	---	---	0.326	1.72	0.503	0.233	0.131	0.077	0.092	0.111	---	---	0.396	1921
1922	---	---	0.063	4.13	1.11	0.352	0.202	0.154	0.115	0.115	---	---	0.772	1922
1923	---	---	0.055	0.737	0.257	0.276	0.185	0.124	0.112	0.111	---	---	0.230	1923
1924	---	---	0.044	0.642	0.145	0.157	0.072	0.076	0.059	0.064	---	---	0.156	1924
1925	---	---	0.105	2.31	0.291	0.203	0.111	0.083	0.127	0.099	---	---	0.410	1925
1926	---	---	0.842	0.318	0.011	0.037	0.016	0.029	0.054	0.042	---	---	0.169	1926
1927	---	---	0.082	3.01	1.58	0.639	0.363	0.216	0.182	0.151	---	---	0.772	1927
1928	---	---	0.824	0.571	0.279	0.286	0.310	0.141	0.090	0.093	---	---	0.324	1928
1939	---	---	0.387	0.330	0.241	0.322	0.147	0.059	0.065	0.076	---	---	0.203	1939
1940	---	---	0.020	1.95	1.00	0.455	0.183	0.081	0.071	0.088	---	---	0.476	1940
1941	---	---	1.21	0.770	0.177	0.115	0.045	0.040	0.057	0.062	---	---	0.309	1941
1942	---	---	0.074	1.93	0.335	0.542	0.234	0.142	0.133	0.137	---	---	0.436	1942
1943	---	---	1.26	1.97	0.255	0.204	0.080	0.025	0.027	0.054	---	---	0.481	1943
1944	---	---	0.595	1.99	0.122	0.126	0.142	0.102	0.080	0.073	---	---	0.362	1944
1945	---	---	0.551	0.125	0.241	0.088	0.033	0.036	0.050	0.090	---	---	0.153	1945
MEAN	---	---	0.389	1.63	0.454	0.298	0.196	0.121	0.110	0.119	---	---	0.387	MEAN

LOCATION - LAT 49 30 00 N LONG 109 22 07 W DRAINAGE AREA, 161 km² NATURAL FLOW

BELANGER CREEK ABOVE CYPRESS LAKE EAST INFLOW CANAL - STATION NO. 11AC016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	11.8 ON APR 05	---	---	1913
1914	---	---	0 B ON MAR 26 *	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	15.4 AT 23:30 MST ON APR 19	11.9 ON APR 20	0.051 ON AUG 16	11 400	1920
1921	24.0 AT 24:00 MST ON APR 13	13.4 ON APR 14	0.034 ON SEP 01	8 380	1921
1922	35.4 AT 01:00 MST ON APR 22 *	28.6 ON APR 22 *	0.057B ON MAR 01	16 300	1922
1923	3.34 ON APR 14	2.49 ON APR 14	0.040B ON MAR 01	4 870	1923
1924	12.7 B AT 24:00 MST ON APR 06	8.24B ON APR 07	0.028B ON MAR 05	3 300	1924
1925	20.7 AT 23:00 ON APR 04	9.68 ON APR 05	0.028B ON MAR 01	8 680	1925
1926	5.07B AT 21:00 MST ON MAR 18	3.51B ON MAR 18	0.003 ON JUL 07	3 580	1926
1927	---	23.8 E ON APR 26	0.071B ON MAR 01	16 400	1927
1928	9.34B AT 20:20 MST ON MAR 21	4.79B ON MAR 21	0.059 ON JUN 02	6 860	1928
1939	3.74 AT 09:00 MST ON MAR 25	2.94 ON MAR 25	0.003 ON JUN 27	4 290	1939
1940	10.6 AT 20:15 MST ON APR 19	10.0 ON APR 21	0.020B ON MAR 01	10 100	1940
1941	7.02B AT 20:00 MST ON MAR 26	5.30B ON MAR 26	0.014 ON AUG 21	6 550	1941
1942	9.91 AT 01:30 MST ON APR 13	8.41 ON APR 13	0.071E ON MAR 01	9 220	1942
1943	---	9.63B ON MAR 29	0.006 ON AUG 23	10 200	1943
1944	10.5 AT 02:00 MST ON APR 04	9.51 ON APR 03	0.057B ON MAR 01	7 670	1944
1945	4.79 AT 21:30 MST ON MAR 22	3.09 ON MAR 23	0.006 ON JUL 12	3 230	1945
				8 190	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELANGER CREEK AT GARRISON'S RANCH - STATION NO. 11AC006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	0.627	0.179	0.120	0.130	---	---	---	1909
1910	---	---	---	0.179	0.161	0.155	0.062	0.046	0.040	0.033	---	---	---	1910
1911	---	---	---	---	---	---	---	---	0.071	0.079	---	---	---	1911
1912	---	---	---	1.88	0.057	0.033	0.018	0.057	0.099	0.095	---	---	---	1912
MEAN	---	---	---	1.03	0.109	0.094	0.236	0.094	0.083	0.084	---	---	---	MEAN

LOCATION - LAT 49 33 00 N LONG 109 23 00 W DRAINAGE AREA, 121 km² REGULATED

BELANGER CREEK AT GARRISON'S RANCH - STATION NO. 11AC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
				---	MEAN

BELANGER CREEK BELOW CYPRESS LAKE EAST INFLOW CANAL - STATION NO. 11AC059

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	0.019	0.023	0.057	0.064	0.094	0.040	0.021	0.044	---	---	0.045	1939
1940	---	---	0.014	0.016	0.012	0.076	0.132	0.042	0.038	0.075	---	---	0.051	1940
1941	---	---	0.127	0.037	0.016	0.050	0.025	0.007	0.008	0.008	---	---	0.035	1941
1942	---	---	0.078	0.125	0.183	0.076	0.070	0.137	0.143	0.150	---	---	0.120	1942
1943	---	---	0.409	0.242	0.091	0.084	0.039	0.011	0.022	0.015	---	---	0.116	1943
1944	---	---	0.083	0.170	0.047	0.120	0.142	0.102	0.080	0.073	---	---	0.102	1944
1945	---	---	0.123	0.100	0.241	0.088	0.033	0.036	0.030	0.059	---	---	0.089	1945
MEAN	---	---	0.122	0.103	0.092	0.080	0.076	0.054	0.049	0.061	---	---	0.080	MEAN

LOCATION - LAT 49 29 50 N
LONG 109 21 53 W
DRAINAGE AREA, 161 km^2
REGULATED

BELANGER CREEK BELOW CYPRESS LAKE EAST INFLOW CANAL - STATION NO. 11AC059

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	0.130 ON MAY 28	0 B ON MAR 01 *	959	1939
1940	---	0.181 ON JUL 28	0 ON APR 23	1 070	1940
1941	---	0.425B ON MAR 19	0 ON AUG 09	736	1941
1942	---	0.476 ON APR 28	0.003 ON JUL 03	2 550	1942
1943	---	7.08 B ON MAR 29 *	0 ON OCT 14	2 450	1943
1944	---	0.595B ON APR 02	0.034 ON MAY 27	2 150	1944
1945	---	0.365A ON MAY 20	0.006A ON JUL 12	1 890	1945
				1 690	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELANGER CREEK DIVERSION TO CYPRESS LAKE - STATION NO. 11AC064

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	0.717	0.153	0.085	0.005	0	0	0	0.006	---	---	0.122	1946
1947	---	---	0.269	0.999	0.169	0.034	0.025	0.001	0.001	0	---	---	0.186	1947
1948	---	---	0	1.15	0.086	0.004	0	0	0	0	---	---	0.152	1948
1949	---	---	0.008	0.734	0.068	0	0	0	0	0	---	---	0.100	1949
1950	---	---	0	1.21	0.164	0.003	0.030	0.002	0	0	---	---	0.174	1950
1951	---	---	0.001	3.89	2.15	0.175	0	0.033	0.035	0.068	---	---	0.707	1951
1952	---	---	0	1.63	0	0.041	0	0	0	0	---	---	0.205	1952
1953	---	---	0.015	1.59	1.45	0.357	0.200	0	0	0	---	---	0.449	1953
1954	---	---	0	0.955	0.357	0.076	0	0	0	0	---	---	0.171	1954
1955	---	---	0	1.08	0.971	0.410	0.194	0	0	0	---	---	0.330	1955
1956	---	---	0.011	0.514	0.566	0.037	0	0	0	0	---	---	0.141	1956
1957	---	---	0.013	2.09	0.158	0	0	0	0	0	---	---	0.277	1957
1958	---	---	0.012	1.65	0	0	0	0	0	0	---	---	0.204	1958
1959	---	---	0.676	1.17	0.118	0.288	0.045	0	0	0	---	---	0.284	1959
1960	---	---	1.91	0.667	0.137	0.019	0	0	0	0	---	---	0.342	1960
1961	---	---	0.394	0.183	0.012	0.014	0.005	0	0	0	---	---	0.076	1961
1962	---	---	0.289	0.798	0.021	0	0	0	0	0	---	---	0.137	1962
1963	---	---	1.04	0.745	0.225	0.093	0.008	0	0	0	---	---	0.264	1963
1964	---	---	0	0.648	0.441	0.017	0	0	0	0	---	---	0.137	1964
1965	---	---	0	4.69	1.38	0.166	0.123	0	0	0	---	---	0.786	1965
1966	---	---	1.23	1.51	0.655	0.149	0	0	0	0	---	---	0.442	1966
1967	---	---	0	0.989	1.79	0.060	0	0	0	0	---	---	0.354	1967
1968	---	---	1.27	0.204	0.032	0.064	0	0	0	0	---	---	0.198	1968
1969	---	---	0	2.36	0.147	0.019	0.007	0	0	0	---	---	0.311	1969
1970	---	---	0	3.22	1.58	0.214	0.004	0	0	0	---	---	0.621	1970
1971	---	---	0	1.47	0	0	0.013	0	0	0	---	---	0.182	1971
1972	---	---	1.24	0.006	0.003	0.232	0.018	0	0	0	---	---	0.189	1972
1973	---	---	0.059	0.128	0.015	0.190	0	0	0	0	---	---	0.048	1973
1974	---	---	0	1.46	1.82	0.288	0	0	0	0	---	---	0.444	1974
1975	---	---	0.021	1.52	3.57	0.135	0	0	0	0	---	---	0.657	1975
1976	---	---	0.809	0.882	0.003	0	0	0	0	0	---	---	0.211	1976
1977	---	---	0.003	0.163	0	0	0	0	0	0	---	---	0.020	1977
1978	---	---	0.018	1.75	0.642	0.012	0	0	0.017	0	---	---	0.302	1978
1979	---	---	0.891	3.45	1.28	0.103	0	0	0	0	---	---	0.710	1979
1980	---	---	0.003	1.32	0.083	0.034	0	0	0	0	---	---	0.176	1980
1981	---	---	0.019	0.005	0	0.114	0	0	0.004	0	---	---	0.017	1981
1982	---	---	0	0.909	0.287	1.79	0.026	0	0	0	---	---	0.370	1982
1983	---	---	0.895	0.538	0.899	0	0.245	0	0	0	---	---	0.324	1983
1984	---	---	0.001	0.305	0.054	0.008	0	0	0	0	---	---	0.045	1984
1985	---	---	0.070	1.34	0.221	0	0	0	0	0	---	---	0.201	1985
1986	---	0.291	0.985	0.068	0.441	0.140	0	0	0.367	0.052	---	---	0.257	1986
1987	---	---	1.08	1.75	0.025	0	0	0	0	0	---	---	0.355	1987
1988	---	---	0.096	0.119	0.041	0.068	0	0	0	0	---	---	0.040	1988
1989	---	---	0	0.004	0.018	0	0	0	0	0	---	---	0.003	1989
1990	---	---	0.067	0.013	0.032	0.004	0	0	0	0	---	---	0.015	1990
MEAN	---	0.291	0.314	1.16	0.493	0.119	0.021	0.001	0.009	0.003	---	---	0.263	MEAN

LOCATION - LAT 49 29 39 N
LONG 109 21 54 W

REGULATED SINCE 1939

INTERNATIONAL GAUGING STATION

BELANGER CREEK DIVERSION TO CYPRESS LAKE - STATION NO. 11AC064

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	2.69 B ON MAR 19	OB ON MAR 01 *	2 570	1946
1947	---	5.75 ON APR 10	OB ON MAR 01	3 930	1947
1948	---	7.76 ON APR 17	0 ON MAR 01	3 230	1948
1949	---	1.95 B ON APR 08	0 ON MAR 01	2 110	1949
1950	---	6.06 B ON APR 21	OB ON MAR 01	3 670	1950
1951	---	15.7 B ON APR 29	OB ON MAR 01	16 700	1951
1952	---	10.5 ON APR 14	OB ON MAR 01	4 340	1952
1953	---	10.3 ON APR 28	OB ON MAR 01	9 510	1953
1954	---	3.82 B ON APR 14	OB ON MAR 01	3 630	1954
1955	---	6.71 B ON APR 11	OB ON MAR 01	6 990	1955
1956	---	1.76 ON APR 17	OB ON MAR 01	2 970	1956
1957	---	6.63 ON APR 19	OB ON MAR 01	5 860	1957
1958	---	8.81 ON APR 04	0 ON MAR 01	4 320	1958
1959	---	6.97 ON APR 02	OB ON MAR 01	6 020	1959
1960	---	8.50 B ON MAR 28	OB ON MAR 01	7 250	1960
1961	---	2.32 ON MAR 27	OB ON MAR 01	1 610	1961
1962	---	1.99 B ON APR 05	OB ON MAR 01	2 900	1962
1963	---	6.29 ON MAR 28	OB ON MAR 01	5 590	1963
1964	---	4.87 B ON APR 04	OB ON MAR 01	2 900	1964
1965	---	14.2 ON APR 29	OB ON MAR 01	16 600	1965
1966	---	12.7 B ON MAR 30	OB ON MAR 01	9 160	1966
1967	---	11.6 ON MAY 09	OB ON MAR 01	7 500	1967
1968	---	4.13 B ON MAR 06	0 ON APR 21	4 190	1968
1969	---	13.7 B ON APR 06	OB ON MAR 01	6 590	1969
1970	---	13.1 ON APR 11	OB ON MAR 01	13 100	1970
1971	---	7.70 ON APR 24	OB ON MAR 01	3 860	1971
1972	---	11.0 B ON MAR 17	OB ON MAR 01	4 000	1972
1973	---	1.10 ON JUN 16	OB ON MAR 04	1 020	1973
1974	---	10.1 ON MAY 25	OB ON MAR 01	9 400	1974
1975	18.3 AT 10:50 CST ON MAY 07 *	16.9 ON MAY 07 *	OB ON APR 02	13 900	1975
1976	---	5.64 B ON APR 01	OB ON MAR 01	4 460	1976
1977	---	2.44 ON APR 09	OB ON MAR 16	429	1977
1978	---	3.79 ON APR 27	OB ON MAR 01	6 390	1978
1979	---	14.6 ON APR 18	OB ON MAR 01	15 000	1979
1980	---	7.03 B ON APR 07	OB ON MAR 01	3 740	1980
1981	---	1.82 ON JUN 15	OB ON MAR 01	370	1981
1982	---	10.8 ON JUN 04	OB ON MAR 01	7 820	1982
1983	---	7.74 ON MAR 12	OB ON MAR 01	6 860	1983
1984	---	1.45 ON APR 07	0 ON MAR 01	960	1984
1985	---	6.05 ON APR 14	OB ON MAR 01	4 250	1985
1986	---	4.04 B ON MAR 02	0 ON APR 18	5 450	1986
1987	---	6.72 ON APR 05	OB ON MAR 01	7 510	1987
1988	---	1.41 B ON MAR 26	OB ON MAR 01	854	1988
1989	---	0.070 ON MAY 07	OB ON MAR 01	59.2	1989
1990	---	0.737 ON MAR 31	OB ON MAR 01	310	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 560	MEAN

BEVERIDGE EAST DITCH NEAR MAPLE CREEK - STATION NO. 05HA035

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1914	---	---	---	---	---	---	---	---	---	---	---	---	---	1914
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 48 40 N
LONG 109 14 10 W REGULATED

BEVERIDGE EAST DITCH NEAR MAPLE CREEK - STATION NO. 05HA035

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	OR ON AUG 20 *	---	1911
1912	---	---	OR ON JUN 18	---	1912
1914	---	---	OR ON JUN 11	---	1914
1915	---	---	0 ON JUN 25	---	1915
1916	---	---	OR ON AUG 29	---	1916
1917	---	---	0 ON JUL 13	---	1917
1918	---	---	0 ON AUG 07	---	1918
1919	---	---	OR ON MAY 27	---	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		---	MEAN

BEVERIDGE WEST DITCH NEAR SKIBEREEN - STATION NO. 05HA020

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1915	---	---	---	0.010	0.014	0.026	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
MEAN	---	---	---	0.010	0.014	0.026	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 49 17 N
LONG 109 14 47 W REGULATED

BEVERIDGE WEST DITCH NEAR SKIBEREEN - STATION NO. 05HA020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0R ON JUL 18 *	---	1912
1915	---	---	0 ON APR 01	---	1915
1916	---	---	0R ON AUG 29	---	1916
1917	---	---	0 ON JUL 13	---	1917
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

BIG GULLY CREEK NEAR MAIDSTONE - STATION NO. 05EP005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	---	---	0.015	---	---	---	1970
1971	---	---	0.014	6.83	2.58	0.708	0.313	0.322	0.041	0.091	---	---	1.35	1971
1972	---	---	0.038	10.3	2.29	0.382	0.031	0.036	0.117	0.067	---	---	1.64	1972
1973	---	---	0.149	4.33	1.80	0.526	1.01	0.071	0.003	0.551	---	---	1.05	1973
1974	---	---	0.021	19.4	8.67	1.95	0.530	0.099	0.039	0.054	---	---	3.81	1974
1975	---	---	0.028	2.33	4.50	1.44	0.405	0.035	0.054	0.628	---	---	1.18	1975
1976	---	---	0.008	1.53	0.723	0.034	0.066	0.002	0.061	0.015	---	---	0.302	1976
1977	---	---	0	0.002	0.162	0.007	0	0	0	0	---	---	0.021	1977
1978	---	---	0.019	0.384	0.170	0	0	0	0	0	---	---	0.071	1978
1979	---	---	0	1.71	1.77	0.539	0.041	0	0	0	---	---	0.504	1979
1980	---	---	0	1.69	0.582	0.192	0.105	0	0	0	---	---	0.317	1980
1981	---	---	0.051	1.46	0.241	0	0	0.088	0	0	---	---	0.227	1981
1982	---	---	0	0.006	0	0	0	0.012	0	0	---	---	0.002	1982
1983	---	---	0	0.235	0.088	0.007	0.002	0	0	0	---	---	0.041	1983
1984	---	---	0.092	3.01	0.702	0.490	0.026	0	0	0	---	---	0.532	1984
1985	---	---	0.020	3.25	0.893	0.042	0	0	0	0	---	---	0.518	1985
1986	---	---	0.201	2.13	0.451	0.255	0.612	1.21	0.272	0.156	---	---	0.659	1986
1987	---	---	0.003	6.76	1.15	0.148	0.034	0.002	0	0	---	---	0.996	1987
1988	---	---	0.005	0.221	0.017	0.009	0.273	0.321	0.024	0.006	---	---	0.110	1988
1989	---	---	0	0.555	0.328	0.047	0.002	0	0	0	---	---	0.115	1989
1990	---	---	0.026	2.53	0.670	0.033	0.015	0	0	0.001	---	---	0.403	1990
MEAN	---	---	0.034	3.43	1.39	0.340	0.173	0.110	0.031	0.075	---	---	0.692	MEAN

LOCATION - LAT 53 14 39 N DRAINAGE AREA, 1 620 km^2
LONG 109 17 45 W NATURAL FLOW

REMARKS - PRIOR TO OCT 01 1976 RECORDS OBTAINED 7.2 KM DOWNSTREAM IN NE18-49-22-W3

BIG GULLY CREEK NEAR MAIDSTONE - STATION NO. 05EP005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	0 ON OCT 01 *	---	1970
1971	15.2 AT 19:33 CST ON APR 19	15.1 ON APR 19	0.002 ON SEP 06	28 500	1971
1972	32.3 AT 00:49 CST ON APR 16 *	29.7 ON APR 15	0 B ON MAR 01	34 600	1972
1973	11.4 AT 11:59 CST ON APR 05	9.72 ON APR 05	0 B ON MAR 01	22 200	1973
1974	---	82.1 A ON APR 21 *	0 ON JUL 20	80 600	1974
1975	17.9 B AT 15:19 CST ON APR 25	15.2 B ON APR 25	0 ON JUL 28	24 900	1975
1976	9.26 AT 19:34 CST ON APR 09	5.83 B ON APR 09	0 B ON MAR 01	6 400	1976
1977	---	0.377 ON MAY 21	0 B ON MAR 01	454	1977
1978	0.869 AT 16:48 CST ON APR 07	0.830B ON APR 07	0 B ON MAR 01	1 500	1978
1979	7.42 AT 18:45 CST ON APR 21	6.87 ON APR 22	0 B ON MAR 01	10 700	1979
1980	6.56 AT 14:08 CST ON APR 16	5.94 ON APR 16	0 B ON MAR 01	6 720	1980
1981	2.75 AT 16:11 CST ON APR 02	2.59 ON APR 02	0 B ON MAR 01	4 810	1981
1982	0.217 AT 18:31 CST ON AUG 23	0.146 ON AUG 24	0 B ON MAR 01	49.2	1982
1983	1.40 AT 19:02 CST ON APR 09	1.19 ON APR 11	0 B ON MAR 01	868	1983
1984	5.06 AT 19:40 CST ON APR 02	4.56 ON APR 11	0 B ON MAR 01	11 300	1984
1985	7.46 AT 07:14 CST ON APR 13	7.39 ON APR 13	0 B ON MAR 01	11 000	1985
1986	4.90 AT 06:43 CST ON APR 03	4.76 ON APR 03	0 B ON MAR 01	13 900	1986
1987	19.1 AT 18:30 CST ON APR 11	14.1 ON APR 12	0 ON JUL 26	21 100	1987
1988	1.31 AT 00:31 CST ON JUL 06	0.906 ON APR 09	0 B ON MAR 01	2 330	1988
1989	1.22 AT 07:43 CST ON APR 17	0.962 ON APR 18	0 B ON MAR 01	2 440	1989
1990	6.25 AT 15:48 CST ON APR 10	5.23 ON APR 09	0 B ON MAR 01	8 540	1990
				14 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIG MUDDY CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	0.014	0	0.004	0.016	0	0	---	---	---	1949
1950	---	---	0.003	0.294	0.006	0.145	0	0.024	0	0	---	---	---	1950
1951	---	---	0.001	0.533	0.033	0	0	0.007	0.012	0.004	---	---	---	1951
MEAN	---	---	0.002	0.414	0.018	0.048	0.001	0.016	0.004	0.001	---	---	---	MEAN

LOCATION - LAT 49 00 30 N LONG 104 51 40 W DRAINAGE AREA, 88.6 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

BIG MUDDY CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	---		---	0E ON APR 22 *	---	1949
1950	1.53	ON JUN 12	---	---	---	1950
1951	4.24	ON APR 04 *	---	---	---	1951
	E - ESTIMATED		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BIRCH CREEK NEAR ELFROS - STATION NO. 05MA011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.236	0.031	0.002	0.003	0	0	0	0	---	---	0.034	1963
1964	---	---	0	0.190	0.047	0	0.002	0	0.002	0	---	---	0.030	1964
1965	---	---	0	0.993	0.073	0.190	0.016	0	0.001	0	---	---	0.156	1965
1966	---	---	0.431	2.64	0.411	0.024	0.002	0.090	0	0	---	---	0.445	1966
1967	---	---	0	2.53	0.769	0.014	0	0	0	0	---	---	0.409	1967
1968	---	---	1.00	0.233	0.004	0	0	0	0	0	---	---	0.155	1968
1969	---	---	0	2.72	0.023	0	0	0	0	0	---	---	0.335	1969
1970	---	---	0	3.40	0.444	0.011	0.008	0	0	0	---	---	0.475	1970
1971	---	---	0	1.90	0.054	0.088	0.001	0	0	0	---	---	0.493	1971
1972	---	---	0.210	3.18	0.258	0	0	0	0	0	---	---	0.449	1972
1973	---	---	0.024	0.026	0.014	0.549	0.142	0.011	0	0	---	---	0.095	1973
1974	---	---	0	3.12	1.89	0.696	0.032	0.003	0.009	0.028	---	---	0.711	1974
1975	---	---	0	5.55	3.35	0.152	0.019	0.010	0.006	0.005	---	---	1.13	1975
1976	---	---	0.007	4.87	0.156	0.179	0.056	0.008	0.008	0.004	---	---	0.649	1976
1977	---	---	0.001	0.087	0.004	0	0	0	0	0	---	---	0.011	1977
1978	---	---	0.189	0.620	0.005	0.006	0.043	0.020	0.003	0.008	---	---	0.111	1978
1979	---	---	0	5.97	1.39	0.074	0	0	0	0	---	---	0.916	1979
1980	---	---	0	2.18	0.005	0	0	0	0	0	---	---	0.268	1980
1981	---	0	0.001	0.001	0	0	0	0	0	0.001	---	---	0	1981
1982	---	---	0	0.696	0.017	0.004	0.002	0.001	0	0.002	---	---	0.089	1982
1983	---	---	0.017	0.723	0.189	0.010	3.44	0.303	0.002	0.002	---	---	0.590	1983
1984	---	---	0.291	0.219	0.032	0.029	0.005	0.001	0.001	0.002	---	---	0.072	1984
1985	---	---	0.014	5.95	0.252	0.010	0.002	0	0	0.001	---	---	0.763	1985
1986	---	---	1.58	0.732	0.150	0.002	0.001	0	0	0.004	---	---	0.309	1986
1987	---	---	0.047	0.179	0.002	0	0.001	0.001	0	0.001	---	---	0.028	1987
1988	---	---	0.006	0.782	0.029	0.007	0	0	0	0	---	---	0.101	1988
1989	---	---	0	0.046	0.002	0.045	0.015	0	0	0.003	---	---	0.014	1989
1990	---	---	0.053	5.02	0.092	0.008	0.001	0	0	0	---	---	0.635	1990
MEAN	---	0	0.147	2.02	0.345	0.073	0.135	0.016	0.001	0.002	---	---	0.338	MEAN

LOCATION - LAT 51 44 46 N LONG 103 52 27 W DRAINAGE AREA, 692 km² REGULATED

BIRCH CREEK NEAR ELFROS - STATION NO. 05MA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	1.21 B AT 23:00 CST ON MAR 22	1.09 B ON MAR 24	0 B ON MAR 01 *	727	1963
1964	0.926B AT 02:30 CST ON APR 05	0.756B ON APR 05	0 B ON MAR 01	632	1964
1965	7.87 AT 19:00 CST ON APR 11	5.47 ON APR 14	0 B ON MAR 01	3 310	1965
1966	28.1 AT 22:00 CST ON MAR 31	18.7 ON APR 01	0 B ON MAR 01	9 420	1966
1967	9.03 B ON APR 23	9.03 B ON APR 23	0 B ON MAR 01	8 660	1967
1968	7.05 B AT 21:00 CST ON MAR 27	1.62 B ON MAR 27	0 B ON MAR 01	3 290	1968
1969	27.0 B AT 20:00 CST ON APR 10	15.3 B ON APR 11	0 B ON MAR 01	7 100	1969
1970	28.9 AT 23:10 CST ON APR 10	23.4 B ON APR 10	0 B ON MAR 01	10 100	1970
1971	36.8 B AT 19:56 CST ON APR 10 *	33.7 B ON APR 10	0 B ON MAR 01	10 400	1971
1972	16.1 AT 23:01 CST ON APR 14	12.7 B ON APR 13	0 B ON MAR 01	9 510	1972
1973	1.32 AT 13:00 CST ON JUN 05	1.23 ON JUN 05	0 B ON MAR 01	2 010	1973
1974	20.7 B AT 19:23 CST ON APR 20	12.9 B ON APR 21	0 B ON MAR 01	15 000	1974
1975	35.4 AT 22:15 CST ON APR 28	28.9 ON APR 29 *	0 B ON MAR 01	23 900	1975
1976	31.7 AT 23:40 CST ON APR 08	26.1 ON APR 09	0.002 ON SEP 18	13 700	1976
1977	---	0.671B ON APR 10	0 B ON MAR 01	219	1977
1978	---	4.25 A ON APR 10	0 B ON MAR 01	2 340	1978
1979	35.4 B AT 01:03 CST ON APR 24	26.5 B ON APR 24	0 B ON MAR 01	19 400	1979
1980	11.5 B AT 01:01 CST ON APR 06	7.72 ON APR 10	0 B ON MAR 01	5 670	1980
1981	0.004B ON FEB 21	0.003B ON APR 17	0 B ON MAR 01	10.4	1981
1982	5.74 B AT 00:16 CST ON APR 14	3.75 B ON APR 14	0 B ON MAR 01	1 880	1982
1983	16.8 AT 15:21 CST ON JUL 21	12.6 ON JUL 21	0.001B ON MAR 01	12 500	1983
1984	2.41 B AT 16:06 CST ON MAR 31	1.82 B ON MAR 26	0 B ON MAR 01	1 530	1984
1985	23.5 B AT 21:07 CST ON APR 02	14.0 B ON APR 05	0 B ON MAR 01	16 200	1985
1986	9.79 B AT 16:30 CST ON MAR 28	8.41 B ON MAR 28	0 B ON MAR 01	6 550	1986
1987	0.712B AT 22:42 CST ON APR 06	0.637B ON APR 08	0 B ON MAR 01	602	1987
1988	6.62 B AT 22:20 CST ON APR 03	5.42 B ON APR 04	0 ON JUN 20	2 140	1988
1989	0.559 AT 20:48 CST ON APR 04	0.373 ON APR 05	0 B ON MAR 01	290	1989
1990	34.0 B AT 20:25 CST ON APR 03	26.6 ON APR 04	0 B ON MAR 01	13 400	1990
				7 160	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIRCH RIVER NEAR MANITOBA BOUNDARY - STATION NO. 05KH013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	3.88	9.53	3.09	---	---	---	---	1979
1980	---	---	---	---	6.56	0.964	0.555	4.67	10.7	---	---	---	---	1980
1981	0.015	0.015	0.015	0.015	0.703	1.23	0.358	3.75	3.38	1.86	0.015	0.015	0.953	1981
1982	0.015	0.015	0.015	0.015	3.68	4.25	2.93	7.14	0.840	0.331	0.015	0.015	1.62	1982
1983	0.015	0.015	0.015	0.015	0.015	0.522	4.59	3.06	0.015	0.015	0.136	0	0.713	1983
1984	0.015	0.015	0.015	1.02	3.03	3.36	1.94	1.37	3.52	0.588	0.015	0.015	1.24	1984
MEAN	0.015	0.015	0.015	0.266	2.80	2.07	2.38	4.92	3.59	0.699	0.045	0.011	1.13	MEAN

LOCATION - LAT 53 50 00 N LONG 101 57 23 W DRAINAGE AREA, 1 340 km^2 REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

BIRCH RIVER NEAR MANITOBA BOUNDARY - STATION NO. 05KH013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	---	---	---	---	1980
1981	---	10.8 ON AUG 24 *	0.015E ON JAN 01	30 100	1981
1982	---	10.6 ON AUG 02	0.015E ON JAN 01	51 100	1982
1983	---	6.50 ON JUL 04	0 ON OCT 17 *	22 500	1983
1984	5.77 AT 12:00 CST ON APR 24 *	5.05 ON APR 25	0.015B ON JAN 01	39 200	1984
				35 700	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIRLING CREEK NEAR PAYNTON - STATION NO. 05EG006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	---	---	0	---	---	---	1970
1971	---	---	0	0.180	0.523	0.040	0.004	0	0	0	---	---	0.094	1971
1972	---	---	0	0.263	0.996	0.122	0	0	0	0	---	---	0.173	1972
1973	---	---	0	0.045	0.163	0.004	0	0	0	0	---	---	0.027	1973
1974	---	---	0	0.095	1.43	1.12	0.247	0.006	0	0.006	---	---	0.362	1974
1975	---	---	0	0.066	0.429	0.278	0.029	0.001	0	0	---	---	0.100	1975
1976	---	---	0	0.049	0.127	0	0.009	0	0	0	---	---	0.023	1976
1977	---	---	0	0	0.005	0.002	0	0	0	0	---	---	0.001	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0.016	0.002	0	0	0	0	0	---	---	0.002	1979
1980	---	---	0	0.005	0	0	0	0	0	0	---	---	0.001	1980
1981	---	---	0.001	0.004	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0	0.004	0	0	0	0	0	0	---	---	0.001	1983
1984	---	---	0.003	0.002	0.001	0	0	0	0	0	---	---	0.001	1984
1985	---	---	0	0.009	0	0	0	0	0	0	---	---	0.001	1985
1986	---	---	0.005	0.003	0	0	0	0	0	0	---	---	0.001	1986
1987	---	---	0	0.004	0	0	0	0	0	0	---	---	0.001	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1990
MEAN	---	---	0	0.038	0.184	0.078	0.014	0	0	0	---	---	0.039	MEAN

LOCATION - LAT 53 04 45 N LONG 108 59 00 W DRAINAGE AREA, 426 km² NATURAL FLOW

BIRLING CREEK NEAR PAYNTON - STATION NO. 05EG006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	0.660 AT 10:30 CST ON APR 19	0.614 ON MAY 10	0 ON OCT 01 *	1 980	1971
1972	1.39 AT 05:44 CST ON MAY 02	1.33 ON MAY 08	0B ON MAR 01	3 670	1972
1973	---	0.609 ON APR 30	0B ON MAR 01	565	1973
1974	2.06 AT 18:34 CST ON MAY 28 *	2.05 ON MAY 28 *	0B ON MAR 01	7 660	1974
1975	0.801 AT 15:25 CST ON JUN 08	0.643 ON MAY 16	0B ON MAR 01	2 120	1975
1976	0.348 AT 04:00 CST ON MAY 01	0.343 ON MAY 01	0B ON MAR 01	492	1976
1977	---	0.031 ON MAY 20	0B ON MAR 01	15.9	1977
1978	0 E ON APR 19	0 B ON MAR 01	0B ON MAR 01	0	1978
1979	0.310 AT 11:57 CST ON APR 23	0.124 ON APR 26	0B ON MAR 01	48.8	1979
1980	0.132 AT 01:36 CST ON APR 18	0.050 ON APR 18	0B ON MAR 01	14.2	1980
1981	0.117 AT 10:41 CST ON APR 06	0.039 ON APR 06	0B ON MAR 01	13.0	1981
1982	0.046 AT 06:10 CST ON APR 20	0.018 ON APR 20	0B ON MAR 01	4.23	1982
1983	---	0.035B ON APR 04	0B ON MAR 01	10.7	1983
1984	0.057 AT 19:08 CST ON MAY 30	0.027 ON MAR 30	0B ON MAR 01	13.1	1984
1985	0.055 AT 20:10 CST ON APR 18	0.047 ON APR 25	0B ON MAR 01	23.8	1985
1986	0.173 AT 16:18 CST ON MAR 29	0.057 ON MAR 29	0B ON MAR 01	22.4	1986
1987	0.221B AT 15:35 CST ON APR 04	0.026B ON APR 04	0B ON MAR 01	10.8	1987
1988	0.005 AT 19:08 CST ON APR 01	0.002B ON APR 01	0B ON MAR 01	1.12	1988
1989	0.068B AT 12:59 CST ON APR 01	0.026B ON APR 01	0 ON MAR 01	4.32	1989
1990	0.107 AT 04:44 CST ON APR 04	0.039 ON APR 04	0B ON MAR 01	4.84	1990
				834	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BISSET CREEK NEAR CHOICELAND - STATION NO. 05KE006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	3.73	11.6	---	---	---	---	---	---	---	---	1956
1957	---	---	---	9.19	7.92	---	---	---	---	---	---	---	---	1957
1958	---	---	---	4.41	0.661	---	---	---	---	---	---	---	---	1958
1959	---	---	---	1.75	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	4.80	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	2.55	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	1.46	---	---	---	---	---	---	---	---	---	1962
1963	---	---	---	1.22	---	---	---	---	---	---	---	---	---	1963
1965	---	---	---	2.26	1.38	1.04	---	---	---	---	---	---	---	1965
1966	---	---	---	1.42	1.51	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.062	---	---	---	---	---	---	---	---	---	1967
1968	---	---	---	1.29	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	0.988	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	4.50	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	4.27	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	3.08	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	13.6	---	---	---	---	---	---	---	---	---	1974
1975	---	---	0	2.11	3.15	2.25	0.483	0	0	0	---	---	0.994	1975
1976	---	---	0	1.23	0.014	0.203	0.295	0.035	0	0.007	---	---	0.220	1976
1977	---	---	0	0	0	0	0	0.016	0.141	0.019	---	---	0.022	1977
1978	---	---	0	2.30	1.00	0.476	0.194	0.012	0.037	0.044	---	---	0.503	1978
1979	---	---	0	5.87	7.73	3.08	0.427	0	0	0	---	---	2.13	1979
1980	---	---	0	0.713	0.141	0	0	0	0	0.005	---	---	0.106	1980
1981	---	---	0.004	0.169	0.135	0.058	0.030	0.003	0	0	---	---	0.050	1981
1982	---	---	0	1.57	0.155	0.026	0.032	0.113	0.093	0.200	---	---	0.269	1982
1983	---	---	0	3.07	1.74	0.837	0.794	0.139	0.174	0.187	---	---	0.861	1983
1984	---	---	0	3.59	5.39	4.94	0.421	0.022	0.023	0.206	---	---	1.81	1984
1985	---	---	0.023	14.3	5.61	4.92	2.10	0.207	0.084	0.059	---	---	3.38	1985
MEAN	---	---	0.002	3.41	3.01	1.49	0.434	0.050	0.050	0.066	---	---	0.940	MEAN

LOCATION - LAT 53 27 11 N LONG 104 34 07 W DRAINAGE AREA, 539 km² NATURAL FLOW

BISSET CREEK NEAR CHOICELAND - STATION NO. 05KE006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	8.50 ON APR 29	0 B ON MAR 01 *	21 000	1975
1976	---	6.43 B ON APR 06	0 B ON MAR 01	4 650	1976
1977	---	0.252 ON SEP 16	0 B ON MAR 01	458	1977
1978	9.37 AT 05:04 CST ON APR 22	8.18 ON APR 22	0 B ON MAR 01	10 600	1978
1979	29.1 B AT 05:28 CST ON APR 24	24.7 B ON APR 24	0 B ON MAR 01	45 100	1979
1980	2.78 AT 10:15 CST ON APR 17	2.53 ON APR 17	0 B ON MAR 01	2 240	1980
1981	---	0.470E ON MAY 01	0 B ON MAR 01	1 050	1981
1982	8.85B AT 11:20 CST ON APR 20	7.92 B ON APR 20	0 B ON MAR 01	5 700	1982
1983	16.3 B AT 10:40 CST ON APR 23	15.0 B ON APR 23	0 B ON MAR 01	18 200	1983
1984	17.0 AT 11:38 CST ON APR 10	16.1 ON APR 10	0 B ON MAR 01	38 400	1984
1985	43.7 AT 21:30 CST ON APR 20 *	41.3 ON APR 21 *	0.016 ON OCT 14	71 500	1985
				19 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLACKTAIL CREEK AT GARISSERE'S RANCH - STATION NO. 11AC011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	0.008	0.003	0.001	0	0	0.001	---	---	---	1910
1911	---	---	---	---	---	---	0.005	0	0	0	---	---	---	1911
MEAN	---	---	---	---	0.008	0.003	0.003	0	0	0.001	---	---	---	MEAN

LOCATION - LAT 49 30 00 N LONG 109 05 00 W DRAINAGE AREA, 31.3 km² NATURAL FLOW

BLACKTAIL CREEK AT GARISSERE'S RANCH - STATION NO. 11AC011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---			
1911	---	---	0 ON JUL 15 *	---	1910
			0 ON JUL 19	---	1911
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOGGY CREEK NEAR LUMSDEN - STATION NO. 05JF006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	---	0.014	0.015	0.004	0.010	0.011	---	---	---	---	---	---	1945
1946	---	---	0.042	0.021	0.009	0.011	---	---	---	---	---	---	---	1946
1947	---	---	0	2.23	0.033	0.014	---	---	---	---	---	---	---	1947
1948	---	---	0	2.40	0.203	0.022	---	---	---	---	---	---	---	1948
1949	---	---	0.059	0.123	0.159	0.036	---	---	---	---	---	---	---	1949
1950	---	---	0.024	1.17	0.105	0.027	---	---	---	---	---	---	---	1950
1951	---	---	---	---	---	1.50	---	---	---	---	---	---	---	1951
1953	---	---	0.594	1.08	0.051	0.055	---	---	---	---	---	---	---	1953
1954	---	---	0.021	0.327	0.028	0.191	---	---	---	---	---	---	---	1954
1955	---	---	0.140	3.43	3.13	0.061	0.132	0.006	0.004	0.008	---	---	0.860	1955
1956	---	---	0	5.01	0.290	0.473	0.063	0.006	0.004	0.015	---	---	0.720	1956
1957	---	---	1.40	0.807	0.033	0.007	0.003	0.007	0.003	0.005	---	---	0.283	1957
1958	---	---	0.086	0.154	0.008	0.002	0.003	0	0.003	0.008	---	---	0.033	1958
1959	---	---	0.087	0.040	0.012	0.018	0.010	0	0.006	0.013	---	---	0.023	1959
1960	---	---	0.153	1.75	0.088	1.22	0.183	0.008	0.006	0.007	---	---	0.421	1960
1961	---	---	0.046	0.021	0.023	0.006	0.002	0.001	0.003	0.008	---	---	0.014	1961
1962	---	---	0.011	0.078	0.011	0.007	0.004	0.001	0.002	0.006	---	---	0.015	1962
1963	---	---	0.055	0.031	0.008	0.015	0.056	0.008	0.006	0.006	---	---	0.023	1963
1964	---	---	0.001	0.068	0.013	0.002	0.041	0.072	0.009	0.022	---	---	0.029	1964
1965	---	---	---	---	---	0.126	0.059	0	0.002	0.003	---	---	---	1965
1966	---	---	---	---	---	0.010	0.009	0.011	0.004	0.006	---	---	---	1966
1967	---	---	---	---	0.080	0.006	0.002	0.002	0.010	0.009	---	---	---	1967
1968	---	---	0.277	0.038	0.005	0.016	0.003	0	0	0	---	---	0.043	1968
1969	---	---	0	2.60	0.013	0.001	0.001	0	0	0.006	---	---	0.321	1969
1970	---	---	0.004	1.13	0.254	0.001	0	0	0	0	---	---	0.171	1970
1971	---	---	0	4.30	0.132	0.640	0.012	0	0	0.001	---	---	0.550	1971
1972	---	---	0.716	0.574	0.017	0.007	0.005	0.002	0.006	0.005	---	---	0.166	1972
1973	---	---	0.013	0.010	0.008	0.015	0.016	0.002	0.006	0.004	---	---	0.009	1973
1974	---	---	0	5.27	0.354	0.048	0.008	0.011	0.010	0.010	---	---	0.701	1974
1975	---	---	0	1.42	0.222	3.86	0.456	0.014	0.012	0.014	---	---	0.737	1975
1976	---	---	0.650	3.95	0.022	0.374	0.019	0.004	0.010	0.006	---	---	0.620	1976
1977	---	---	0.008	0.016	0.014	0.017	0.023	0.007	0.017	0.009	---	---	0.014	1977
1978	---	---	0.127	0.347	0.045	0.008	0.009	0.010	0.013	0.009	---	---	0.070	1978
1979	---	---	0.006	2.54	0.204	0.018	0.013	0.003	0.005	0.008	---	---	0.343	1979
1980	---	---	0.034	0.770	0.011	0.004	0.001	0.002	0.001	0.001	---	---	0.101	1980
1981	---	0.002	0.010	0.004	0.002	0.003	0	0	0	0.001	---	---	0.003	1981
1982	---	---	0	3.31	0.033	0.003	0.002	0	0	0.004	---	---	0.411	1982
1983	---	---	0.003	0.772	0.007	0.006	0.797	0.029	0.008	0.006	---	---	0.142	1983
1984	---	---	0.314	0.048	0.007	0.007	0.014	0.001	0.001	0.003	---	---	0.050	1984
1985	---	---	0.599	0.666	0.027	0.010	0.004	0.003	0.007	0.004	---	---	0.164	1985
1986	---	---	0.357	0.028	0.194	0.002	0.002	0.001	0.001	0.005	---	---	0.074	1986
1987	---	---	0.226	0.080	0.012	0.004	0.003	0.002	0.001	0.005	---	---	0.042	1987
1988	---	0	0.007	0.009	0.003	0.001	0	0	0	0	---	---	0.002	1988
1989	---	---	0.004	0.040	0.003	0.002	0	0	0	0	---	---	0.006	1989
1990	---	---	0.657	0.256	0.006	0	0	0	0	0	---	---	0.115	1990
MEAN	---	0.001	0.165	1.13	0.140	0.184	0.053	0.006	0.004	0.006	---	---	0.220	MEAN

LOCATION - LAT 50 35 55 N LONG 104 49 05 W DRAINAGE AREA, 401 km² REGULATED

REMARKS - PRIOR TO APR 20 1948, RECORDS WERE OBTAINED ABOUT 6.4 KM UPSTREAM

BOGGY CREEK NEAR LUMSDEN - STATION NO. 05JF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	---	---	0 B ON MAR 01 *	---	1945
1946	---	---	0 B ON MAR 01	---	1946
1947	---	11.9 ON APR 13	0 B ON MAR 01	---	1947
1948	---	10.6 ON APR 22	0 B ON MAR 01	---	1948
1949	---	2.83 E ON MAY 30	0 B ON MAR 01	---	1949
1950	---	8.50 B ON APR 17	0 B ON MAR 01	---	1950
1951	---	---	---	---	1951
1953	---	8.04 B ON APR 02	0 B ON MAR 01	---	1953
1954	---	1.18 ON APR 16	0 B ON MAR 01	---	1954
1955	---	24.1 E ON MAY 03	0.003 ON SEP 10	18 200	1955
1956	---	41.6 ON APR 15	0 B ON MAR 01	15 200	1956
1957	---	7.84 B ON MAR 24	0 B ON MAR 01	5 990	1957
1958	---	1.10 B ON MAR 26	0 B ON MAR 01	693	1958
1959	---	0.538B ON MAR 23	0 B ON MAR 01	491	1959
1960	16.9 AT 19:00 CST ON JUN 26	13.2 ON JUN 26	0 B ON MAR 01	8 900	1960
1961	1.50 AT 02:00 CST ON MAY 31	0.374 ON MAY 31	0 B ON MAR 30	290	1961
1962	---	0.311B ON APR 06	0 B ON MAR 01	313	1962
1963	0.852 AT 01:00 CST ON JUL 10	0.575 ON JUL 10	0 B ON MAR 01	492	1963
1964	---	0.467 ON AUG 02	0 B ON MAR 01	606	1964
1965	2.42 AT 22:00 CST ON JUN 26	---	---	---	1965
1966	0.178 AT 14:00 CST ON JUN 27	---	---	---	1966
1967	---	---	---	---	1967
1968	1.25 B AT 06:00 CST ON MAR 11	1.11 B ON MAR 11	0 ON JUN 01	---	1968
1969	29.7 AT 12:30 CST ON APR 10	19.6 B ON APR 10	0 ON JUL 26	906	1969
			0 B ON MAR 01	6 790	
1970	9.97 B AT 15:50 CST ON APR 08	7.62 B ON APR 08	0 B ON MAR 01	3 610	1970
1971	43.0 E AT 08:30 CST ON APR 11	39.6 E ON APR 11	0 B ON MAR 01	11 600	1971
1972	9.66 B AT 18:28 CST ON MAR 23	5.64 B ON MAR 24	0 B ON MAR 01	3 520	1972
1973	0.195 AT 11:31 CST ON SEP 26	0.139 ON JUL 02	0 ON JUL 22	197	1973
1974	103 AT 00:10 CST ON APR 20 *	36.5 ON APR 19	0 B ON MAR 01	14 800	1974
1975	76.5 AT 06:37 CST ON JUN 27	56.6 ON JUN 27 *	0 B ON MAR 01	15 600	1975
1976	31.1 B AT 12:48 CST ON APR 02	22.5 B ON APR 02	0 ON AUG 31	13 100	1976
1977	0.130 AT 21:58 CST ON MAY 24	0.057 ON JUL 18	0.001 ON OCT 14	291	1977
1978	4.30 B AT 17:49 CST ON APR 01	2.04 B ON APR 01	0 B ON MAR 01	1 490	1978
1979	22.8 B AT 12:44 CST ON APR 22	15.4 B ON APR 21	0 ON AUG 13	7 260	1979
1980	6.22 B AT 16:04 CST ON APR 02	4.77 B ON APR 02	0.001B ON MAR 01	2 140	1980
1981	0.016B AT 15:05 CST ON MAR 11	0.012B ON MAR 11	0 ON JUL 03	53.6	1981
1982	33.8 B AT 11:08 CST ON APR 16	26.2 B ON APR 16	0 B ON MAR 01	8 700	1982
1983	8.51 AT 10:28 CST ON JUL 11	7.64 ON JUL 11	0.001B ON MAR 05	3 000	1983
1984	5.95 B AT 15:04 CST ON MAR 26	3.82 B ON MAR 26	0 ON AUG 10	1 050	1984
1985	5.88 B AT 16:46 CST ON MAR 27	3.62 B ON MAR 27	0 ON JUL 24	3 480	1985
1986	2.25 B AT 19:17 CST ON MAR 19	1.72 B ON MAR 19	0 B ON MAR 01	1 580	1986
1987	1.76 B AT 16:47 CST ON MAR 25	1.36 B ON MAR 25	0 B ON MAR 01	884	1987
1988	0.025B AT 18:12 CST ON MAR 08	0.018B ON MAR 08	0 ON JUN 21	49.6	1988
1989	0.690B AT 21:31 CST ON APR 02	0.269B ON APR 03	0 B ON MAR 01	128	1989
1990	2.33 B AT 17:12 CST ON MAR 21	1.87 B ON MAR 30	0 B ON MAR 01	2 440	1990
				4 660	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOLINGBROKE DITCH NEAR EASTEND - STATION NO. 11AC021

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	---	---	---	---	---	---	---	---	---	---	---	1921
1922	---	---	0	0	0	0.006	0	0	0	0	---	---	0.001	1922
1923	---	---	0	0	0	0.023	0	0	0	0	---	---	0.003	1923
1924	---	---	0	0	0	0.003	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0.003	0.008	0.001	0	0	0	---	---	0.001	1925
1926	---	---	0	0	0	0.005	0.005	0	0	0	---	---	0.001	1926
1927	---	---	0	0	0	0	0.004	0	0	0	---	---	0.001	1927
1928	---	---	0	0	0.005	0.004	0.004	0	0	0	---	---	0.002	1928
1929	---	---	0	0	0	0.006	0.004	0	0	0	---	---	0.002	1929
1930	---	---	0	0	0	0.002	0.005	0	0	0	---	---	0.001	1930
1931	---	---	0	0	0	0.004	0	0	0	0	---	---	0	1931
MEAN	---	---	0	0	0	0.004	0.001	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 49 32 50 N
LONG 108 58 20 W
REGULATED SINCE 1914

REMARKS - ESTIMATED ANNUAL DIVERSIONS IN CUBIC DECAMETRES FOR 1932-39 ARE: 18.5; 15; 10; 10; 10; 10; 6.2; AND 6.2

BOLINGBROKE DITCH NEAR EASTEND - STATION NO. 11AC021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	0.005 ON JUN 13	0 ON MAR 01 *	2.33	1914
1915	---	0 ON MAR 01	0 ON MAR 01	0	1915
1916	---	0 ON MAR 01	0 ON MAR 01	0	1916
1917	---	0 ON MAR 01	0 ON MAR 01	0	1917
1918	---	0 ON MAR 01	0 ON MAR 01	0	1918
1919	---	0 ON MAR 01	0 ON MAR 01	0	1919
1920	---	0 ON MAR 01	0 ON MAR 01	0	1920
1921	---	---	0 ON JUL 21	---	1921
1922	---	0.016 ON JUN 29	0 ON MAR 01	15.6	1922
1923	---	0.060 ON JUN 14 *	0 ON MAR 01	60.5	1923
1924	---	0.021 ON JUN 08	0 ON MAR 01	7.86	1924
1925	---	0.020 ON JUN 11	0 ON MAR 01	31.4	1925
1926	---	0.011 ON JUL 02	0 ON MAR 01	25.2	1926
1927	---	0.011 ON JUL 10	0 ON MAR 01	11.3	1927
1928	---	0.059 ON JUL 17	0 ON MAR 01	34.0	1928
1929	---	0.020 ON JUN 17	0 ON MAR 01	32.5	1929
1930	---	0.011 ON JUL 11	0 ON MAR 01	17.5	1930
1931	---	0.006 ON JUN 03	0 ON MAR 01	9.07	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14.5	MEAN

BONE CREEK AT LEWIS RANCH - STATION NO. 05HD003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	0.048	0.061	0.052	0.184	---	---	---	1908
1909	---	---	---	0.168	0.174	0.183	0.073	0.043	0.044	0.042	---	---	0.103	1909
1910	---	---	---	0.071	0.069	0.062	0.033	0.038	0.043	0.042	---	---	0.051	1910
1911	---	---	---	0.642	0.071	0.055	0.037	0.036	0.071	0.044	---	---	0.135	1911
1912	---	---	---	0.995	0.162	0.084	0.058	0.045	0.052	0.044	---	---	0.203	1912
1913	---	---	---	0.408	0.080	0.062	0.039	0.032	0.036	0.041	---	---	0.099	1913
1914	---	---	---	0.167	0.077	0.037	0.015	0.016	0.033	0.044	---	---	0.055	1914
1915	---	---	---	0.139	0.059	0.062	0.042	0.025	0.039	0.056	---	---	0.060	1915
1916	---	---	---	0.131	0.086	0.067	0.040	0.040	0.045	0.058	---	---	0.066	1916
MEAN	---	---	---	0.340	0.097	0.077	0.043	0.037	0.046	0.062	---	---	0.097	MEAN

LOCATION - LAT 49 41 42 N LONG 108 54 55 W DRAINAGE AREA, 39.9 km^2 NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1914 AND 1916

BONE CREEK AT LEWIS RANCH - STATION NO. 05HD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	1.25 ON JUN 20	0.042 ON JUL 16	1 910	1909
1910	---	0.136 ON MAY 15	0.025 ON JUL 15	940	1910
1911	---	3.57 ON APR 10	0.023 ON AUG 18	2 500	1911
1912	---	4.25 ON APR 11 *	0.031 ON JUN 23	3 760	1912
1913	---	1.30 ON APR 05	0.021 ON JUL 21	1 820	1913
1914	---	0.623 ON APR 12	0.009 ON JUL 27 *	1 020	1914
1915	---	1.02 ON APR 03	0.015 ON MAY 05	1 110	1915
1916	---	0.289 ON APR 13	0.027 ON JUL 16	1 230	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 790	MEAN

BOWREY DITCH NEAR BARNARD - STATION NO. 11AE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	0.027	0.063	0	0.010	0.043	---	---	---	---	---	---	---	1921
1926	---	---	0.094	---	---	---	---	---	---	---	---	---	---	1926
1927	---	---	---	0.161	---	---	---	---	---	---	---	---	---	1927
1928	---	---	0.116	0.002	0	0.143	---	---	---	---	---	---	---	1928
1929	---	---	0.008	0.076	---	0.020	0.002	---	---	---	---	---	---	1929
MEAN	---	0.027	0.070	0.080	0.005	0.069	0.002	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 00 00 N LONG 106 48 00 W REGULATED

BOWREY DITCH NEAR BARNARD - STATION NO. 11AE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	---	---	---	1921
1926	---	---	---	---	1926
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1929	---	---	---	---	1929
				---	MEAN

BOXELDER CREEK AT HARGRAVE'S RANCH - STATION NO. 05AH050

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	0.045	0	0	1.03	1.28	0.636	---	---	1986
1987	---	0.393	0.606	1.20	0.047	0	0	0	0	0	---	---	0.246	1987
1988	---	0	0.005	0.017	0	0	0	0	0	0	---	---	0.002	1988
1989	---	0	0.017	0.010	0	0	0	0	0	0	---	---	0.003	1989
1990	---	0	0	0	0	0	0	0	0	0	---	---	0	1990
MEAN	---	0.098	0.157	0.307	0.012	0.009	0	0	0.20	0.25	0.636	---	0.063	MEAN

LOCATION - LAT 50 00 43 N DRAINAGE AREA, 1 040 km^2
LONG 109 59 14 W

BOXELDER CREEK AT HARGRAVE'S RANCH - STATION NO. 05AH050

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	8.10 AT 15:03 MST ON SEP 29 *	7.98 ON SEP 29 *	0B ON FEB 25 *	---	1986
1987	3.34 AT 03:43 MST ON APR 06	3.31 ON APR 06	0 ON MAY 21	5 800	1987
1988	0.537 AT 09:40 MST ON APR 05	0.373 ON APR 05	0 ON FEB 01	56.6	1988
1989	0.153B AT 15:30 MST ON APR 03	0.138B ON APR 03	0B ON FEB 01	70.0	1989
1990	---	0 B ON FEB 01	0B ON FEB 01	0	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 480	MEAN

BOKELDER CREEK NEAR WALSH - STATION NO. 05AH001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	0.356	0.230	0.101	0.051	0.229	0	0.397	0.017	---	---	---	1911
1912	---	---	---	0.489	0.094	0.028	0	0	0	0	---	---	---	1912
1913	---	---	---	0.277	0.010	0	0	0	0	0	---	---	---	1913
1914	---	---	0.133	0.147	0.011	0	0	0	0	0.096	---	---	---	1914
1915	---	---	0.515	0.237	0.055	0.506	0.044	0	0	0	---	---	---	1915
1916	---	1.25	0.553	0.031	0.647	1.08	0.140	0.091	0	0.087	---	---	0.425	1916
1917	---	---	0.159	4.13	0.806	0.111	0	0	0	0	---	---	---	1917
1918	---	---	1.67	0.111	0.010	0	0	0	0	0	---	---	---	1918
1919	---	---	0.003	0.078	0	0	0	0	0	0	---	---	---	1919
1950	---	---	---	---	---	0	0	0.004	0	0	---	---	---	1950
1951	---	---	1.36	2.14	0.339	0.213	0.052	0.002	0.151	0	---	---	---	1951
1952	---	0.841	2.77	2.46	0.128	0	0	0	0	0	---	---	---	1952
1953	---	---	0.650	0.559	0.475	1.48	0.001	0	0	0	---	---	0.686	1953
1954	---	0.004	0	0.799	0.166	0.176	0.001	0	0	0	---	---	---	1954
													0.126	
1955	---	---	1.13	4.94	0.494	0.026	1.14	0	0	0	---	---	---	1955
1956	---	---	1.50	0.256	0.042	0	0	0.304	0	0	---	---	---	1956
1957	---	0.585	0.864	0.457	0.021	0	0	0	0	0	---	---	---	1957
1958	---	---	0.254	0.366	0	0	0	0	0	0	---	---	0.211	1958
1959	---	---	0.806	0.103	0.002	0.009	0.002	0	0	0	---	---	---	1959
1960	---	---	0.285	0.040	0.169	0	0	0	0	0	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	---	1961
1962	---	---	0.114	0.002	0	0.023	0	0	0	0	---	---	---	1962
1963	---	---	0.014	0	0	0.003	0.119	0	0	0	---	---	---	1963
1964	---	---	0	0	0.248	0.063	0	0	0	0	---	---	---	1964
1965	---	---	0.048	1.63	0.033	0.421	0.043	0	0	0	---	---	---	1965
1966	---	---	0.715	0.230	0.111	0	0	0	0	0	---	---	---	1966
1967	---	---	1.28	0.788	2.35	0.030	0	0	0	0	---	---	---	1967
1968	---	---	0.047	0.038	0.011	0	0	0	0	0	---	---	---	1968
1969	---	---	1.12	0.258	0	0	0	0	0	0	---	---	---	1969
1970	---	---	0.320	0.471	0.116	0.081	0	0	0	0	---	---	---	1970
1971	---	1.78	0.358	0.369	0.003	0.006	0	0	0	0	---	---	0.265	1971
1972	---	---	0.632	0	0	0	0	0	0	0	---	---	---	1972
1973	---	0.003	0.008	0.048	0.009	0	0	0	0	0	---	---	0.008	1973
1974	---	---	0.204	0.118	0.215	0.005	0	0	0	0	---	---	---	1974
1975	---	---	0	0.620	1.31	0.432	0.025	0	0	0	---	---	---	1975
1976	---	---	0.476	0.085	0	0.041	0	0	0	0	---	---	---	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	---	1977
1978	---	---	0.746	0.243	0.017	0	0	0	0	0	0	---	---	1978
1979	---	---	1.39	0.386	0.167	0	0.006	0	0	0	---	---	---	1979
1980	---	---	0.099	0	0	0	0	0	0	0	---	---	---	1980
1981	---	0.035	0	0	0	0.116	0	0	0	0	---	---	0.018	1981
1982	---	0.186	0.238	0.555	0.077	0.694	0.001	0	0	0	---	---	0.192	1982
1983	---	0.021	0.007	0.011	0.216	0	0.097	0	0	0	---	---	0.040	1983
1984	---	0.001	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	0.005	0.098	0.502	0.061	0	0	0	0	0	---	---	0.074	1985
1986	---	0.229	0.113	0.167	0.158	0	0	0	0.755	0.079	0.147	---	0.146	1986
1987	---	0.090	0.107	0.191	0	0	0	0	0	0	---	---	0.042	1987
1988	---	0	0	---	0	0	0	0	0	0	---	---	0	1988
1989	---	0	0.051	0	0	0	0	0	0	0	---	---	0.006	1989
1990	---	0	0	0	0	0	0	0	0	0	---	---	0	1990
MEAN	---	0.316	0.451	0.498	0.177	0.112	0.038	0.008	0.026	0.006	0.074	---	0.140	MEAN

LOCATION - LAT 49 57 39 N DRAINAGE AREA, 319 km²
LONG 109 59 19 W REGULATED

REMARKS - [illegible]HER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916, 1957, 1963, 1971

BOXELDER CREEK NEAR WALSH - STATION NO. 05AH001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	2.80 ON JUL 02	0 ON MAR 01 *	---	1911
1912	---	---	0 ON JUN 12	---	1912
1913	---	---	0 ON APR 29	---	1913
1914	---	1.33 ON OCT 10	0 ON MAR 01	---	1914
1915	---	4.67 ON JUN 05	0 ON MAR 01	---	1915
1916	---	9.32 E ON FEB 15	0 ON FEB 01	10 100	1916
1917	---	12.0 ON APR 09	0 ON MAR 01	---	1917
1918	---	9.51 ON MAR 17	0 ON MAR 01	---	1918
1919	---	0.515 ON APR 20	0 ON MAR 01	---	1919
1950	---	---	0 ON MAY 20	---	1950
1951	11.0 AT 14:15 MST ON MAR 30	9.71 ON MAR 30	0B ON MAR 01	---	1951
1952	---	23.2 B ON MAR 29	0B ON FEB C1	16 200	1952
1953	---	17.1 ON JUN 04	0B ON MAR 01	---	1953
1954	5.97 B ON APR 06	5.15 B ON APR 06	0B ON FEB 01	2 980	1954
1955	101 AT 02:00 MST ON APR 10 *	47.6 ON APR 10 *	0B ON MAR 01	---	1955
1956	22.6 B ON MAR 20	15.3 B ON MAR 20	0B ON MAR 01	---	1956
1957	---	5.04 B ON FEB 28	0B ON FEB 01	4 970	1957
1958	2.21 AT 09:40 MST ON MAR 31	2.18 ON MAR 11	0 ON MAR 01	---	1958
1959	3.45 AT 22:00 MST ON MAR 02	2.46 ON MAR 03	0 ON APR 23	---	1959
1960	---	2.18 B ON MAR 19	0B ON MAR 01	---	1960
1961	0 ON MAR 01	0 ON MAR 01	0 ON MAR 01	---	1961
1962	1.29 B AT 19:00 MST ON MAR 21	0.691B ON MAR 22	0B ON MAR 01	---	1962
1963	---	5.10 ON FEB 06	0B ON MAR 01	---	1963
1964	3.51 AT 06:00 MST ON MAY 09	2.80 ON MAY 09	0 ON MAR 01	---	1964
1965	6.91 AT 10:00 MST ON JUN 28	6.17 ON JUN 28	0B ON MAR 01	---	1965
1966	---	2.55 B ON MAR 11	0B ON MAR 27	---	1966
1967	14.3 AT 13:30 MST ON MAY 07	11.2 ON MAY 08	0B ON FEB 27	---	1967
1968	---	0.221B ON MAR 02	0 ON FEB 28	---	1968
1969	13.5 B AT 16:30 MST ON MAR 18	10.6 B ON MAR 18	0B ON MAR 01	---	1969
1970	2.55 AT 15:40 MST ON APR 08	1.88 ON APR 08	0B ON FEB 23	---	1970
1971	---	14.2 B ON FEB 15	0B ON FEB 01	6 240	1971
1972	5.13 AT 03:30 MST ON MAR 12	3.96 ON MAR 12	0B ON MAR 01	---	1972
1973	0.561 AT 19:00 MST ON APR 28	0.345 ON APR 29	0B ON FEB 01	178	1973
1974	---	1.96 B ON MAR 30	0B ON FEB 25	---	1974
1975	21.3 AT 06:30 MST ON MAY 07	13.5 ON MAY 07	0B ON MAR 01	---	1975
1976	4.05 B AT 22:50 MST ON MAR 18	3.06 B ON MAR 19	0B ON FEB 26	---	1976
1977	---	0 A ON FEB 22	0A ON FEB 22	---	1977
1978	---	3.11 B ON MAR 10	0B ON MAR 01	---	1978
1979	---	8.07 B ON MAR 08	0B ON FEB 26	---	1979
1980	---	0.550B ON MAR 16	0B ON MAR 06	---	1980
1981	1.66 AT 05:40 MST ON JUN 17	1.38 ON JUN 17	0E ON FEB 01	435	1981
1982	5.92 AT 01:05 MST ON JUN 03	5.01 ON JUN 02	0B ON FEB 01	4 530	1982
1983	2.02 AT 03:30 MST ON JUL 23	1.61 ON JUL 23	0B ON FEB 01	939	1983
1984	---	0.004B ON FEB 08	0B ON FEB 14	2.85	1984
1985	2.64 AT 07:45 MST ON APR 04	2.08 ON APR 04	0B ON FEB 01	1 740	1985
1986	19.4 AT 09:20 MST ON SEP 26	11.3 ON SEP 26	0B ON FEB 01	3 450	1986
1987	0.982 AT 23:00 MST ON APR 02	0.843 ON APR 02	0 ON MAY 02	1 000	1987
1988	---	0 ON FEB 01	0 ON FEB 01	0	1988
1989	---	0.534B ON MAR 12	0B ON FEB 01	137	1989
1990	---	0.002B ON FEB 11	0B ON FEB 01	0.518	1990
				3 310	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRADWELL INLET CANAL ABOVE BRADWELL RESERVOIR - STATION NO. 05HG010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0	0.237	0	0	0	0.681	0	---	---	1968
1969	---	---	---	---	0	0.277	0.400	0.419	0	0	0	---	---	1969
1970	---	---	---	---	---	0.054	0.432	0.239	---	---	---	---	---	1970
1971	---	---	0	0	0.162	0	0.036	0.399	0	0	---	---	0.076	1971
1972	---	---	0	0	0	0	0	0	0.670	0.550	---	---	0.152	1972
1973	---	---	0	0	0	0	0	0.359	0.444	0	---	---	0.100	1973
1974	---	---	---	---	0.099	0.195	0	0.036	0.335	---	---	---	---	1974
1975	---	---	---	---	---	---	---	---	0.368	0.227	---	---	---	1975
1976	---	---	---	0.230	0.169	0.185	---	0.120	0.256	---	---	---	---	1976
1977	---	---	---	---	0.129	0.328	0	0.103	0.371	---	---	---	---	1977
1978	---	---	0	0	0	0	0.058	0.192	0.503	0.174	---	---	0.115	1978
1979	---	---	0	0	0	0	0	0.093	0.576	0.020	---	---	0.085	1979
1980	---	---	0	0	0	0	0	0.332	0.416	0	---	---	0.093	1980
1981	---	---	0	0	0.017	0	0.230	0.521	0.440	0	---	---	0.151	1981
1982	---	---	0	0	0.093	0.084	0.159	0.265	0.397	0	---	---	0.124	1982
1983	---	---	0	0	0	0.031	0.347	0.230	0	0	---	---	0.077	1983
1984	---	---	0	0	0.250	0.437	0.294	0.449	0.329	0	---	---	0.216	1984
MEAN	---	---	0	0.021	0.061	0.114	0.128	0.235	0.319	0.127	0	---	0.119	MEAN

LOCATION - LAT 51 54 36 N
LONG 106 13 54 W
REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

BRADWELL INLET CANAL ABOVE BRADWELL RESERVOIR - STATION NO. 05HG010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.957 ON JUN 18	0 ON MAY 01 *	---	1968
1969	---	0.790 ON AUG 25	0 ON MAY 01	---	1969
1970	---	0.876E ON AUG 08	0 ON JUN 01	---	1970
1971	---	0.663 ON MAY 15	0 ON MAR 01	1 600	1971
1972	---	1.23 ON OCT 16 *	0 ON MAR 01	3 210	1972
1973	---	0.883 ON SEP 20	0E ON MAR 01	2 110	1973
1974	---	0.906E ON MAY 29	0E ON MAY 01	---	1974
1975	---	0.515 ON SEP 19	0 ON SEP 18	---	1975
1976	---	0.770 ON JUN 17	0 ON APR 01	---	1976
1977	---	0.943 ON JUN 08	0 ON MAY 01	---	1977
1978	---	1.00 ON SEP 11	0 ON MAR 01	2 440	1978
1979	---	0.771 ON SEP 10	0 ON MAR 01	1 800	1979
1980	---	0.878 ON SEP 05	0 ON MAR 01	1 970	1980
1981	---	0.685 ON AUG 11	0 ON MAR 01	3 200	1981
1982	---	0.791 ON SEP 18	0 ON MAR 01	2 630	1982
1983	---	0.516 ON AUG 12	0 ON MAR 01	1 620	1983
1984	---	0.702E ON SEP 22	0 ON MAR 01	4 570	1984
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 520	MEAN

BRANIFF DITCH NEAR PIAPOT - STATION NO. 05HA038

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	0	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	0	0	0.060	0.037	0	0	0	0	---	---	0.012	1919
1920	---	---	0	0	0.077	0.074	0.005	0	0	0	---	---	0.019	1920
1921	---	---	0	0	0.023	0.062	0	0	0	0	---	---	0.011	1921
MEAN	---	---	0	0	0.053	0.058	0.001	0	0	0	---	- -	0.014	MEAN

LOCATION - LAT 49 56 17 N
LONG 109 07 45 W REGULATED

BRANIFF DITCH NEAR PIAPOT - STATION NO. 05HA038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON JUN 22 *	---	1911
1912	---	---	0 ON JUN 19	---	1912
1915	---	---	0R ON APR 03	---	1915
1916	---	---	0R ON AUG 29	---	1916
1917	---	---	0 ON JUN 19	---	1917
1918	---	---	0R ON MAY 02	---	1918
1919	---	0.221 ON MAY 23 *	0 ON MAR 01	258	1919
1920	---	0.091 ON MAY 04	0 ON MAR 01	411	1920
1921	---	0.074 ON JUN 14	0 ON MAR 01	222	1921
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		297	MEAN

BREED CREEK NEAR BUZZARD'S RANCH - STATION NO. 11AC026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	0.487	0.010	0.048	0	0	0	0	---	---	---	1914
1915	---	---	---	0.449	0.029	---	---	0	0	0	---	---	---	1915
1916	---	---	---	3.42	0.473	---	---	---	---	---	---	---	---	1916
MEAN	---	---	---	1.45	0.171	0.048	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 06 10 N DRAINAGE AREA, 300 km^2
LONG 107 24 24 W NATURAL FLOW

BREED CREEK NEAR BUZZARD'S RANCH - STATION NO. 11AC026

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON MAY 24 *	---	1914
1915	---	3.68 ON APR 03	0 ON MAY 03	---	1915
1916	---	10.3 B ON MAR 28 *	---	---	1916
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BRIDGE CREEK AT GULL LAKE - STATION NO. 05HA015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.009	0	0	0	0	0	---	---	---	1911
1912	---	---	---	---	---	0.031	0.001	0	0	0	---	---	---	1912
1913	---	---	---	---	---	0	0	0	0	0	---	---	---	1913
1914	---	---	---	---	0	0.022	0	0	0	0	---	---	---	1914
1915	---	---	---	0.027	0	0	0.001	0	0	0	---	---	---	1915
1916	---	---	1.73	0.618	0.115	0.594	0.775	0.079	0.001	0.014	---	---	0.491	1916
1917	---	---	0	3.54	0.557	0.021	0	0	0	0	---	---	0.557	1917
1918	---	---	1.76	0.642	0.005	0	0	0	0	0	---	---	0.302	1918
1919	---	---	0.007	0.081	0	---	---	---	---	---	---	---	---	1919
1920	---	---	0.353	0.321	0.034	0.018	0	0	0	0	---	---	0.090	1920
1921	---	---	0.103	0.020	0	0	0	0	0.006	0	---	---	0.016	1921
1922	---	---	0.330	1.58	0.330	0.264	0.012	0.002	0.005	0	---	---	0.311	1922
1963	---	---	0.216	0.019	0	0	0.004	0	0	0	---	---	0.030	1963
1964	---	---	0.008	0.003	0	0	0	0	0	0	---	---	0.001	1964
1965	---	---	0.020	1.91	0.078	0.056	0.028	0	0	0	---	---	0.256	1965
1966	---	---	0.662	0.276	0.043	0.030	0.011	0.001	0	0	---	---	0.128	1966
1967	---	---	0.784	1.88	1.14	0.040	0	0	0	0	---	---	0.478	1967
1968	---	---	0.080	0	0	0	0	0	0	0	---	---	0.010	1968
1969	---	---	0.299	1.43	0.114	0	0.022	0	0	0	---	---	0.230	1969
1970	---	---	0.555	0.959	0.119	0.010	0	0	0	0	---	---	0.204	1970
1971	---	---	0.420	1.51	0.174	0.003	0	0	0	0	---	---	0.260	1971
1972	---	---	0.144	0	0.002	0	0	0	0	0	---	---	0.019	1972
1973	---	---	0.048	0.001	0	0	0	0	0	0	---	---	0.006	1973
1974	---	---	0.177	0.418	0.212	0.092	0.012	0	0	0	---	---	0.113	1974
1975	---	---	0.001	0.498	0.944	0.048	0	0	0	0	---	---	0.186	1975
1976	---	0.003	0.769	0.257	0.015	0.002	0	0	0	0	---	---	0.131	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.274	0.171	0.056	0.005	0	0	0	0	---	---	0.063	1978
1979	---	---	0.294	0.783	0.299	0.006	0	0	0	0	---	---	0.172	1979
1980	---	---	0.022	0.009	0	0	0	0	0	0	---	---	0.004	1980
1981	---	0.061	0	0	0	0.002	0	0	0	0	---	---	0	1981
1982	---	0.101	0.158	0.543	0.069	0.792	0.305	0.031	0	0	---	---	0.235	1982
1983	---	---	0.179	0.669	0.246	0.053	0	0	0	0	---	---	0.142	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.279	0.431	0.074	0.001	0	0	0	0	---	---	0.098	1985
1986	---	0.130	0.094	0.008	0.042	0.001	0.014	0	0	0	---	---	0.020	1986
1987	---	0.049	0.048	0.174	0.034	0	0	0	0	0	---	---	0.032	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.304	0.003	0	0.001	0	0	0	0	---	---	0.039	1989
1990	---	0	0.017	0.001	0	0	0	0	0	0	---	---	0.002	1990
MEAN	---	0.057	0.290	0.522	0.135	0.054	0.030	0.003	0	0	---	---	0.136	MEAN

LOCATION - LAT 50 05 36 N LONG 108 29 38 W

DRAINAGE AREA, 379 km² NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1968

BRIDGE CREEK AT GULL LAKE - STATION NO. 05HA015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON MAY 11 *	---	1911
1912	---	---	0 ON JUN 27	---	1912
1913	---	---	0 ON MAY 31	---	1913
1914	---	---	0 ON APR 16	---	1914
1915	---	---	---	---	1915
1916	---	1.93 ON MAR 24	0 ON APR 16	---	1916
1917	---	3.88 ON MAR 27	0 ON AUG 08	10 400	1917
1918	---	7.14 B ON APR 13 *	0B ON MAR 01	11 800	1918
1919	---	4.76 ON MAR 23	0E ON MAR 01	6 400	1919
1920	---	0.963B ON APR 01	0B ON MAR 01	---	1920
1921	---	1.56 B ON MAR 22	0B ON MAR 01	1 910	1921
1922	---	0.765B ON MAR 25	0B ON MAR 10	343	1922
1963	---	3.74 ON APR 05	0B ON MAR 01	6 590	1963
1964	---	0.966 ON MAR 22	0 ON APR 17	639	1964
1965	---	0.057B ON MAR 16	0B ON MAR 01	31.7	1965
1966	---	6.14 ON APR 13	0B ON MAR 02	5 420	1966
1967	---	1.38 B ON MAR 19	0B ON MAR 05	2 710	1967
1968	---	6.12 B ON MAR 29	0B ON MAR 01	10 100	1968
1969	---	0.413B ON MAR 01	0B ON MAR 11	215	1969
1970	---	3.99 B ON APR 02	0B ON MAR 01	4 860	1970
1971	---	2.11 ON APR 07	0B ON MAR 01	4 310	1971
1972	---	4.13 B ON APR 01	0B ON MAR 01	5 510	1972
1973	---	1.41 B ON MAR 15	0B ON MAR 01	394	1973
1974	2.39 B AT 15:08 CST ON MAR 30	0.258B ON MAR 06	0B ON MAR 16	131	1974
1975	2.51 AT 10:10 CST ON APR 23	1.85 B ON MAR 31	0B ON MAR 01	2 400	1975
1976	6.51 B AT 23:26 CST ON MAR 19 *	2.38 ON APR 23	0B ON MAR 01	3 950	1976
1977	---	4.79 B ON MAR 20	0B ON MAR 11	2 770	1977
1978	---	0.001B ON APR 05	0B ON MAR 01	0.086	1978
1979	1.79 AT 13:14 CST ON APR 20	1.31 B ON MAR 21	0B ON MAR 01	1 340	1979
1980	0.108B AT 16:21 CST ON MAR 30	1.61 ON APR 20	0B ON MAR 01	3 630	1980
1981	1.32 B AT 13:07 CST ON FEB 18	0.077B ON MAR 30	0B ON MAR 06	83.0	1981
1982	2.75 AT 20:37 CST ON JUN 07	0.011 ON JUN 18	0B ON MAR 03	5.96	1982
1983	4.50 B AT 11:59 CST ON APR 01	2.68 ON JUN 08	0 ON AUG 23	4 970	1983
1984	0 AT 00:00 CST ON MAR 01	4.15 ON APR 01	0 ON JUN 21	3 010	1984
1985	4.25 B AT 13:48 CST ON APR 03	0 B ON MAR 01	0B ON MAR 01	0	1985
1986	2.41 B AT 17:45 CST ON FEB 26	2.23 B ON APR 03	0 ON APR 28	2 070	1986
1987	0.948 AT 08:36 CST ON APR 01	0.376B ON MAR 01	0 ON MAY 23	424	1987
1988	0 AT 00:00 CST ON MAR 01	0.755 ON APR 01	0 ON MAR 01	670	1988
1989	3.18 B AT 18:34 CST ON MAR 09	0 ON MAR 01	0B ON MAR 01	0	1989
1990	0.354B AT 12:27 CST ON MAR 06	1.84 B ON MAR 09	0B ON MAR 21	823	1990
		0.117B ON MAR 06		47.4	MEAN
				2 880	

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIDGE CREEK AT RAYMOND'S RANCH - STATION NO. 05HA013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.019	0.011	0.009	0.007	0.013	---	---	---	---	1911
1912	---	---	---	0.099	0.051	0.022	0.008	0.008	0.007	0.010	---	---	---	1912
1913	---	---	---	0.087	0.007	0.002	0.004	0.002	0.004	0.005	---	---	---	1913
1914	---	---	0.300	0.043	0.005	0.004	0	0.001	0.011	0.030	---	---	0.050	1914
1915	---	---	---	0.135	0.078	0.053	0.084	0.005	0.018	0.022	---	---	---	1915
1916	---	---	---	0.067	0.025	0.024	0.009	0.013	0.013	0.021	---	---	---	1916
MEAN	---	---	0.300	0.086	0.031	0.020	0.019	0.006	0.011	0.018	---	---	0.050	MEAN

LOCATION - LAT 49 51 33 N
LONG 108 55 12 W
DRAINAGE AREA, 11.4 km^2
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1913, 1914 AND 1916

BRIDGE CREEK AT RAYMOND'S RANCH - STATION NO. 05HA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	0.651B ON MAR 04 *	0 ON JUN 10 *	---	1914
			0 ON MAY 30	1 050	
1915	---	---	---	---	1915
1916	---	---	---	---	1916
				1 050	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIDGE CREEK NEAR SKULL CREEK - STATION NO. 05HA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.003	0.001	0.003	---	---	---	1909
1910	---	---	---	0.023	0.004	0	0	0	0	0	---	---	---	1910
1911	---	---	---	---	0.011	0.001	0.004	0	0.020	---	---	---	---	1911
1912	---	---	---	---	0.052	0.019	0	0	---	---	---	---	---	1912
1913	---	---	---	0.143	0.011	0	0	---	---	---	---	---	---	1913
1914	---	---	---	0.087	0.005	0	0	0	0	0	---	---	---	1914
MEAN	---	---	---	0.084	0.017	0.004	0.001	0.001	0.005	0.001	---	---	---	MEAN

LOCATION - LAT 49 54 04 N, LONG 108 53 00 W DRAINAGE AREA, 33.9 km² REGULATED

BRIDGE CREEK NEAR SKULL CREEK - STATION NO. 05HA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	0 ON AUG 12 *	---	1909
1910	---	---	0 ON JUN 02	---	1910
1911	---	---	0 ON JUN 10	---	1911
1912	---	---	0 ON JUN 12	---	1912
1913	---	---	0 ON MAY 26	---	1913
1914	---	---	0B ON MAR 24	---	1914
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIGHTWATER CREEK BELOW BRIGHTWATER RESERVOIR - STATION NO. 05HG016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	0	1.13	0	0	0	0	0	---	---	0.143	1967
1968	---	---	0	1.62	0	0	0	0	0	0	---	---	0.199	1968
1969	---	---	0	4.30	0	0	0	0	0	0	---	---	0.526	1969
1970	---	---	0	2.01	0.494	0	0	0	0	0	---	---	0.309	1970
1971	---	---	0	0.541	0.977	0	0	0	0	0	---	---	0.190	1971
1972	---	---	0	2.13	0.365	0	0	0	0	0	---	---	0.307	1972
1973	---	---	0	2.34	0	0	0	0	0	0	---	---	0.286	1973
1974	---	---	0.573	---	---	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	1.98	---	---	---	---	---	---	---	---	1975
1976	---	---	---	3.07	0	5.06	---	---	---	---	---	---	---	1976
1977	---	---	---	1.53	---	---	---	---	---	---	---	---	---	1977
1978	---	---	0	1.73	0.250	0	0	0	0	0	---	---	0.244	1978
1980	---	---	0	2.85	0	0	0	0	0	0	---	---	0.349	1980
1981	---	---	0	2.27	0.386	0	0	0	0	0	---	---	0.326	1981
1982	---	---	0	2.30	1.12	0	0	0	0	0	---	---	0.424	1982
1983	---	---	0	2.04	0.459	0	0	0	0	0	---	---	0.307	1983
1984	---	---	0	2.25	0.398	0	0	0	0.293	0	---	---	0.362	1984
MEAN	---	---	0.041	2.07	0.504	0.36	0	0	0.023	0	---	---	0.306	MEAN

LOCATION - LAT 51 37 08 N, LONG 106 32 42 W DRAINAGE AREA, 1 530 km² REGULATED SINCE 1967

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

BRIGHTWATER CREEK BELOW BRIGHTWATER RESERVOIR - STATION NO. 05HG016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	3.23 ON MAY 15	0 ON MAR 01 *	3 040	1967
1968	---	4.02 ON APR 04	0 ON MAR 01	4 200	1968
1969	---	36.8 ON APR 11 *	0 ON MAR 01	11 100	1969
1970	---	13.2 ON APR 09	0 ON MAR 01	6 540	1970
1971	---	5.72 ON APR 30	0 ON MAR 01	4 020	1971
1972	---	4.90 ON APR 21	0 ON MAR 01	6 500	1972
1973	---	4.84 ON APR 13	0E ON MAR 01	6 050	1973
1974	---	34.5 ON APR 23	0E ON MAR 01	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	---	20.1 ON JUN 11	0 ON APR 01	---	1977
1978	---	---	---	---	1978
		5.83 ON APR 21	0E ON MAR 01	5 160	
1980	---	7.29 ON APR 10	0B ON MAR 01	7 400	1980
1981	---	5.60 ON APR 08	0 ON MAR 01	6 910	1981
1982	---	5.54 ON APR 20	0 ON MAR 01	8 960	1982
1983	---	4.53 ON APR 07	0 ON MAR 01	6 510	1983
1984	---	4.15 ON APR 04	0 ON MAR 01	7 660	1984
				6 470	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIGHTWATER CREEK NEAR KENASTON - STATION NO. 05HG002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0.005	2.61	0	0	0	0	0	0	---	---	0.320	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.086	0	0	0	0	0	0	---	---	0.011	1962
1963	---	---	0.359	0.019	0	0	0	0	0	0	---	---	0.048	1963
1964	---	---	0	0.068	0.002	0	0.026	0	0	0	---	---	0.012	1964
1965	---	---	0	1.46	0.058	0.244	0.030	0	0	0	---	---	0.220	1965
1966	---	---	0.751	0.323	0.001	0	0	0	0	0	---	---	0.135	1966
1967	---	---	0	0.357	0.228	0	0	0	0	0	---	---	0.073	1967
1968	---	---	0.894	0.034	0.001	0	0	0	0	0	---	---	0.118	1968
1969	---	---	0	3.37	0.011	0	0	0	0	0	---	---	0.414	1969
1970	---	---	0.461	1.64	0.026	0	0.014	0	0	0	---	---	0.264	1970
1971	---	---	0	0.943	0.041	0.008	0.001	0	0	0	---	---	0.122	1971
1972	---	---	0.239	0.226	0.015	0	0	0	0	0	---	---	0.060	1972
1973	---	---	0.008	0.029	0.003	0	0.039	0	0	0	---	---	0.010	1973
1974	---	---	0	7.82	0.314	0.028	0	0	0	0	---	---	1.00	1974
1975	---	---	0	0.291	0.050	0	0	0	0	0	---	---	0.042	1975
1976	---	---	0	3.39	0.018	4.15	0.125	0.001	0	0	---	---	0.941	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.093	0.160	0.003	0	0	0	0	0	---	---	0.032	1978
1979	---	---	0	3.98	0.110	0.006	0	0	0	0	---	---	0.502	1979
1980	---	---	0.451	0.171	0	0	0	0	0	0	---	---	0.078	1980
1981	---	---	0	0.017	0	0.034	0	0	0	0	---	---	0.006	1981
1982	---	---	0	0.710	0.058	0.081	0	0	0	0	---	---	0.104	1982
1983	---	---	0.003	0.003	0.001	0	1.25	0.339	0	0	---	---	0.203	1983
1984	---	---	0.208	0.027	0	0	0	0	0	0	---	---	0.030	1984
1985	---	---	0	1.68	0.030	0	0	0	0	0	---	---	0.210	1985
1986	---	---	0.682	0.075	0.002	0	0	0	0	0	---	---	0.096	1986
1987	---	---	0.502	0.472	0.001	0	0	0	0	0	---	---	0.134	1987
1988	---	---	0.070	0.021	0	0	0	0	0	0	---	---	0.012	1988
1989	---	---	0	0.093	0.016	0.001	0	0	0	0	---	---	0.013	1989
1990	---	---	1.15	0.145	0.059	0	0	0	0	0	---	---	0.170	1990
MEAN	---	---	0.193	0.975	0.034	0.147	0.048	0.011	0	0	---	---	0.174	MEAN

LOCATION - LAT 51 33 45 N LONG 106 30 03 W DRAINAGE AREA, 900 km² REGULATED

REMARKS - RECORDS COLLECTED AT SOUTH BOUNDARY OF 26-29-4-W3 IN 1960 AND IN NE03-30-04-W3 FROM 1961-74

BRIGHTWATER CREEK NEAR KENASTON - STATION NO. 05HG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---				
1961	0 AT 12:00 CST ON MAY 12	24.6 B ON APR 04	0B ON MAR 01 *	6 780	1960
1962	---	0 ON MAR 01	0 ON MAR 01	0	1961
1963	---	0.326B ON APR 12	0B ON MAR 01	224	1962
1964	1.29 B AT 19:00 CST ON APR 04	3.51 B ON MAR 24	0B ON MAR 01	1 010	1963
		0.425B ON APR 05	0B ON MAR 01	250	1964
1965	---	11.3 B ON APR 11	0B ON MAR 01	4 660	1965
1966	---	6.71 B ON MAR 29	0B ON MAR 01	2 850	1966
1967	---	2.72 B ON APR 25	0B ON MAR 01	1 540	1967
1968	11.3 B AT 07:00 CST ON MAR 06	8.33 B ON MAR 06	0B ON MAR 01	2 490	1968
1969	24.2 B AT 08:00 CST ON APR 10	20.0 B ON APR 10	0B ON MAR 01	8 760	1969
1970	11.8 AT 13:30 CST ON APR 07	10.6 ON APR 07	0B ON MAR 01	5 600	1970
1971	11.7 B AT 04:40 CST ON APR 12	7.25 B ON APR 12	0B ON MAR 01	2 580	1971
1972	3.74 B AT 10:00 CST ON MAR 27	1.99 B ON MAR 28	0B ON MAR 01	1 260	1972
1973	1.19 AT 16:15 CST ON JUL 01	0.487 ON JUL 02	0B ON MAR 01	209	1973
1974	77.9 AT 04:48 CST ON APR 21 *	54.4 ON APR 20 *	0B ON MAR 01	21 200	1974
1975	3.99 AT 02:29 CST ON APR 20	2.02 ON APR 20	0B ON MAR 01	888	1975
1976	37.7 AT 11:29 CST ON JUN 10	34.8 ON JUN 10	0B ON MAR 01	19 900	1976
1977	0.062 AT 11:03 CST ON MAY 05	0.005 ON MAY 05	0 ON MAR 01	0.432	1977
1978	2.24 B AT 20:56 CST ON MAR 29	1.29 B ON MAR 30	0B ON MAR 01	673	1978
1979	30.2 AT 17:43 CST ON APR 18	27.2 ON APR 18	0B ON MAR 01	10 600	1979
1980	4.52 B AT 16:57 CST ON MAR 29	4.04 B ON MAR 29	0B ON MAR 01	1 650	1980
1981	1.67 AT 17:32 CST ON JUN 20	0.453 ON JUN 21	0B ON MAR 01	133	1981
1982	9.44 AT 17:24 CST ON APR 13	6.37 A ON APR 13	0B ON MAR 01	2 210	1982
1983	16.6 AT 10:32 CST ON JUL 10	9.64 ON JUL 10	0B ON MAR 01	4 290	1983
1984	1.63 B AT 06:25 CST ON MAR 24	1.36 B ON MAR 24	0B ON MAR 01	627	1984
1985	19.0 B AT 09:43 CST ON APR 03	16.9 B ON APR 03	0B ON MAR 01	4 440	1985
1986	3.30 B AT 14:15 CST ON MAR 05	2.55 B ON MAR 05	0 ON MAY 06	2 030	1986
1987	4.88 B AT 06:57 CST ON APR 01	4.04 B ON APR 01	0B ON MAR 01	2 840	1987
1988	0.741 AT 14:23 CST ON MAR 26	0.548B ON MAR 25	0 ON MAR 01	244	1988
1989	1.15 B AT 19:04 CST ON APR 04	0.648B ON APR 05	0B ON MAR 01	286	1989
1990	4.71 B AT 23:29 CST ON MAR 08	3.71 B ON MAR 08	0B ON MAR 01	3 610	1990
				3 670	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIGHTWATER CREEK NEAR PROCTOR LAKE - STATION NO. 05HG020

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0	1.29	0.325	0	0	0	0	0	---	---	0.199	1978
1979	---	---	---	---	0.856	0	0	0	0	0	---	---	---	1979
1980	---	---	0.026	2.15	0	0	0	0	0	0	---	---	0.266	1980
1981	---	---	0	1.83	0.007	0	0	0	0	0	---	---	0.225	1981
1982	---	---	0	1.94	0.325	0	0	0	0	0	---	---	0.278	1982
1983	---	---	0	1.74	0.244	0	0	0	0	0	---	---	0.217	1983
1984	---	---	0	1.75	0.002	0	0	0	0	0	---	---	0.215	1984
1985	---	---	0	3.39	0.321	0.002	0	0	0	0	---	---	0.456	1985
1986	---	---	1.06	0.795	0	0	0.002	0	0	0	---	---	0.231	1986
1987	---	---	0.064	2.14	0.003	---	---	---	---	---	---	---	---	1987
MEAN	---	---	0.128	1.89	0.187	0	0	0	0	0	---	---	0.261	MEAN

LOCATION - LAT 51 42 49 N
LONG 106 35 38 W
DRAINAGE AREA, 1 750 km²
REGULATED

BRIGHTWATER CREEK NEAR PROCTOR LAKE - STATION NO. 05HG020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	4.42 AT 16:44 CST ON APR 23	4.22 ON APR 23	0E ON MAR 01 *	4 220	1978
1979	---	---	0 ON MAY 15	---	1979
1980	6.93 AT 09:45 CST ON APR 11	6.90B ON APR 10	0B ON MAR 01	5 630	1980
1981	5.50 AT 12:00 CST ON APR 09	5.40 ON APR 09	0B ON MAR 01	4 750	1981
1982	7.04 AT 08:12 CST ON APR 17	5.15 ON APR 17	0B ON MAR 01	5 900	1982
1983	5.04B AT 00:00 CST ON APR 08	4.65B ON APR 08	0 ON MAR 01	4 600	1983
1984	4.02 AT 15:38 CST ON APR 18	3.91 ON APR 18	0B ON MAR 01	4 540	1984
1985	10.8 AT 08:28 CST ON APR 08 *	10.6 ON APR 09 *	0B ON MAR 01	9 650	1985
1986	4.16B AT 21:30 CST ON MAR 23	3.69B ON MAR 24	0B ON MAR 01	4 900	1986
1987	5.89B AT 08:25 CST ON APR 03	5.21B ON APR 03	0B ON MAR 01	---	1987
				5 520	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRODERICK IRRIGATION PROJECT MAIN CANAL ABOVE BRODERICK RESERVOIR - STATION NO. 05HF006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	5.73	7.37	8.12	8.05	4.06	---	---	1967
MEAN	---	---	---	---	---	---	5.73	7.37	8.12	8.05	4.06	---	---	MEAN

LOCATION - LAT 51 27 45 N
LONG 106 55 00 W
REGULATED

BRODERICK IRRIGATION PROJECT MAIN CANAL ABOVE BRODERICK RESERVOIR - STATION NO. 05HF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	9.03 ON JUL 22 *	---	---	1967
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BRODERICK IRRIGATION PROJECT MAIN CANAL BELOW PUMPING STATION - STATION NO. 05HF007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	5.69	7.31	7.79	8.08	3.90	---	---	1967
1968	---	---	---	---	0.615	3.10	4.42	0.350	0.032	---	---	---	---	1968
1969	---	---	---	---	1.61	4.97	2.25	0.824	0.459	0	0	---	---	1969
1970	---	---	---	---	0.266	0.989	2.44	0.811	0.187	0.008	---	---	---	1970
1971	---	---	0	0	1.66	2.03	3.25	0.926	1.12	0.461	---	---	---	1971
1972	---	---	0	0	2.92	3.45	5.04	4.18	3.50	0.422	---	---	1.18	1972
1973	---	---	0	3.18	2.84	4.32	4.95	4.95	4.63	0.111	---	---	3.44	1973
1974	---	---	---	---	---	1.98	4.90	1.90	0.095	1.41	---	---	3.14	1974
1975	---	---	---	---	2.50	4.64	6.37	2.78	3.63	---	---	---	---	1975
1976	---	---	---	---	2.78	3.46	4.50	4.09	0.718	---	---	---	---	1976
1977	---	---	---	---	4.28	6.48	12.8	5.35	4.30	---	---	---	---	1977
1978	---	---	0	0	3.84	8.35	10.4	6.12	4.76	0	---	---	4.19	1978
1979	---	---	0	0	0.155	3.48	10.6	6.25	3.57	0	---	---	3.01	1979
1980	---	---	0	0	6.29	10.3	13.2	6.08	6.04	0	---	---	5.24	1980
1981	---	---	0	0	7.60	5.74	13.1	6.29	7.58	0	---	---	5.05	1981
1982	---	---	0	0	4.53	3.00	9.58	5.53	3.95	0	---	---	3.34	1982
1983	---	---	0	0	4.29	8.10	5.33	5.60	2.06	0	---	---	3.19	1983
1984	---	---	0	0	7.42	9.30	13.1	13.0	7.51	0	---	---	6.30	1984
1985	---	---	0	0	0.974	8.46	14.2	10.2	2.64	0	---	---	4.58	1985
1986	---	---	0	0	2.95	7.86	12.8	3.99	2.35	0	---	---	3.75	1986
1987	---	---	0	0	6.06	10.3	11.1	2.70	3.20	0	---	---	4.17	1987
1988	---	---	0	0	9.64	13.4	16.1	12.0	7.51	0	---	---	7.34	1988
1989	---	---	0	0	6.80	8.61	13.9	11.1	3.22	0	---	---	5.48	1989
1990	---	---	0	0	5.42	6.05	8.85	8.51	2.78	0	---	---	3.96	1990
MEAN	---	---	0	0.19	3.88	6.03	8.69	5.49	3.48	0.525	1.95	---	4.15	MEAN

LOCATION - LAT 51 17 07 N
LONG 106 50 10 W REGULATED

BRODERICK IRRIGATION PROJECT MAIN CANAL BELOW PUMPING STATION - STATION NO. 05HF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	8.27 ON AUG 28	0 ON JUL 01 *	---	1967
1968	---	5.04 ON JUL 18	0 ON MAY 01	---	1968
1969	---	5.27 ON JUL 24	0 ON MAY 01	---	1969
1970	---	5.13 ON JUL 01	0 ON MAY 01	---	1970
1971	---	5.38 ON JUL 21	0 ON MAR 01	25 000	1971
1972	---	5.13 ON JUN 29	0 ON MAR 01	31 700	1972
1973	---	4.98 ON JUL 20	0E ON MAR 01	66 400	1973
1974	---	5.04 ON JUL 09	0E ON JUN 01	---	1974
1975	---	9.83 ON JUL 23	0 ON MAY 01	---	1975
1976	---	10.1 ON AUG 03	0 ON MAY 01	---	1976
1977	---	14.0 ON JUL 07	0 ON SEP 06	---	1977
1978	---	15.9 ON JUL 17	0 ON MAR 01	88 600	1978
1979	---	10.8 ON JUL 08	0 ON MAR 01	63 700	1979
1980	---	15.6 ON JUL 16	0 ON MAR 01	111 000	1980
1981	---	16.1 ON JUL 27	0 ON MAR 01	107 000	1981
1982	---	11.0 ON JUL 31	0 ON MAR 01	70 600	1982
1983	---	9.95 ON JUL 09	0 ON MAR 01	67 500	1983
1984	---	13.7 ON JUL 05	0 ON MAR 01	133 000	1984
1985	---	14.6 ON JUN 25	0 ON MAR 01	96 900	1985
1986	---	15.6 ON JUL 14	0 ON MAR 01	79 500	1986
1987	---	14.2 ON JUL 01	0 ON MAR 01	88 200	1987
1988	---	17.0 ON JUL 08 *	0 ON MAR 01	155 000	1988
1989	---	14.6 ON JUL 09	0 ON MAR 01	116 000	1989
1990	---	12.9 ON JUL 23	0 ON MAR 01	83 900	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		87 800	MEAN

BROKENSHELL CREEK NEAR TROSSACHS - STATION NO. 05JE009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	3.99	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	2.27	2.26	0.011	---	---	---	---	---	---	---	1970
1971	---	---	---	2.17	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	0.223	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	3.58	0.558	0.161	---	---	---	---	---	---	---	1974
1975	---	---	0.002	3.84	0.284	0.002	0.002	0	0	0	---	---	0.507	1975
1976	---	---	1.50	3.71	0.007	2.03	0.004	0	0	0	---	---	0.893	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	1.44	0.302	0.011	0.033	0.386	0	0	0	---	---	0.248	1978
1979	---	---	0.214	3.85	1.04	0.009	0	0	0	0	---	---	0.632	1979
1980	---	---	0.167	0.090	0	0	0	0	0	0	---	---	0.032	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	2.99	0.031	0.007	0.894	0	0	0	---	---	0.485	1982
1983	---	---	0	3.52	0.185	0.003	0	0	0	0	---	---	0.455	1983
1984	---	---	0.001	0	0	0.002	0	0	0	0	---	---	0	1984
1985	---	---	0.320	0	0	0	0	0	0	0	---	---	0.041	1985
1986	---	0.300	0.466	0.001	0.163	0	0	0	0	0	---	---	0.080	1986
1987	---	---	0.426	0.340	0	0	0	0	0	0	---	---	0.096	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.239	0	0	0	0	0	0	---	---	0.029	1989
1990	---	---	0.006	0.036	0	0	0.027	0.006	0	0	---	---	0.009	1990
MEAN	---	0.150	0.271	1.48	0.252	0.125	0.082	0	0	0	---	---	0.219	MEAN

LOCATION - LAT 49 38 55 N
LONG 104 13 07 W
DRAINAGE AREA, 153 km²
REGULATED

BROKENSHELL CREEK NEAR TROSSACHS - STATION NO. 05JE009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	22.3 AT 13:31 CST ON APR 20	21.3 ON APR 20		10 700	1975
1976	36.2 AT 06:05 CST ON JUN 13 *	28.2 ON JUN 13 *	0B ON MAR 01 *	18 900	1976
1977	0 B AT 00:01 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1977
1978	12.6 AT 11:52 CST ON MAR 27	10.6 ON MAR 27	0B ON MAR 01	5 250	1978
1979	26.0 B AT 09:30 CST ON APR 19	23.9 B ON APR 19	0B ON MAR 01	13 400	1979
1980	2.41 B AT 11:05 CST ON MAR 30	2.07 B ON MAR 30	0B ON MAR 01	679	1980
1981	---	0 ON MAR 01	0 ON MAR 01	0	1981
1982	27.8 AT 04:56 CST ON JUL 17	22.2 ON APR 15	0B ON MAR 01	10 300	1982
1983	17.5 AT 08:48 CST ON APR 11	16.0 ON APR 11	0B ON MAR 01	9 620	1983
1984	0.031 AT 02:45 CST ON JUN 22	0.017 ON JUN 21	0B ON MAR 01	7.78	1984
1985	3.02 AT 19:03 CST ON MAR 16	2.48 A ON MAR 16	0B ON MAR 01	857	1985
1986	5.30 AT 00:06 CST ON FEB 28	2.94 A ON MAR 02	0 ON APR 04	1 690	1986
1987	5.55 B AT 12:54 CST ON APR 01	4.68 B ON APR 01	0B ON MAR 01	2 020	1987
1988	---	0 ON MAR 01	0 ON MAR 01	0	1988
1989	1.44 AT 18:05 CST ON APR 04	1.06 B ON APR 03	0B ON MAR 01	620	1989
1990	0.517B AT 01:15 CST ON APR 01	0.461B ON APR 01	0B ON MAR 01	199	1990
				4 640	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BROWN DITCH NEAR DIVIDE - STATION NO. 11AD002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1924	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1924
MEAN	---	---	0	0.002	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 09 36 N
LONG 109 08 14 W
REGULATED

BROWN DITCH NEAR DIVIDE - STATION NO. 11AD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1917	---	---	0 ON SEP 15 *	---	1917
1918	---	---	0 ON AUG 20	---	1918
1919	---	---	0 ON JUN 25	---	1919
1924	---	0.028 ON APR 03 *	0 ON MAR 01	6.39	1924
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6.39	MEAN

BUCHANAN DITCH NEAR GOVENLOCK - STATION NO. 11AB109

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0	0.058	0.005	0	0	0	0	0	---	---	0.008	1968
1969	---	---	0	0.030	0.013	0	0	0.015	0	0	---	---	0.007	1969
1970	---	---	0	0.063	0	0.042	0	0	0	0	---	---	0.013	1970
1971	---	---	---	0	0.045	0	0.018	0.105	0	0	---	---	---	1971
MEAN	---	---	0	0.038	0.016	0.011	0.005	0.030	0	0	---	---	0.009	MEAN

LOCATION - LAT 49 10 45 N
LONG 109 50 45 W REGULATED

BUCHANAN DITCH NEAR GOVENLOCK - STATION NO. 11AB109

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.351 ON APR 23	0 ON MAR 01 *	163	1968
1969	---	0.241 ON AUG 11	0 ON MAR 01	150	1969
1970	---	0.476 ON APR 08 *	0 ON MAR 01	273	1970
1971	---	0.357 ON JUL 29	0 ON APR 01	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		195	MEAN

BURNTOUT BROOK NEAR ARBORFIELD - STATION NO. 05KB005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	---	---	---	---	---	---	---	---	1955
1956	---	---	---	---	---	---	---	---	---	---	---	---	---	1956
1957	---	---	---	---	---	---	---	---	---	---	---	---	---	1957
1958	---	---	---	2.34	---	---	---	---	---	---	---	---	---	1958
1959	---	---	---	---	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	5.62	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	---	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	---	---	---	---	---	---	---	---	---	---	1962
1963	---	---	---	---	---	---	---	---	---	---	---	---	---	1963
1965	---	---	0	3.18	1.58	2.65	0.166	0	0	0	---	---	0.936	1965
1966	---	---	0.001	4.48	2.17	1.48	0.232	0.007	0.008	0.001	---	---	1.04	1966
1967	---	---	0	1.75	3.09	0.133	0.005	0.003	0	0.071	---	---	0.632	1967
1968	---	---	1.02	0.577	0.026	0.000	0	0	0	0.006	---	---	0.214	1968
1969	---	---	0	2.30	0.028	0.013	0	0	0.020	0.157	---	---	0.309	1969
1970	---	---	0	3.66	0.972	1.53	1.86	0.033	0	0	---	---	0.999	1970
1971	---	---	0	4.54	0.234	0.002	0	0	0	0.058	---	---	0.593	1971
1972	---	---	0	6.67	2.33	0.003	0	0	0	0	---	---	1.36	1972
1973	---	---	0.024	0.337	0.044	3.18	4.03	0.009	0.004	0.025	---	---	0.954	1973
1974	---	---	0.274	6.44	1.94	0.550	0.084	0.290	0.232	0.336	---	---	1.26	1974
1975	---	---	0	3.61	1.40	0.307	0.038	0	0	0.070	---	---	0.671	1975
1976	---	---	0.045	3.37	0.119	0.335	0.176	0	0	0.022	---	---	0.500	1976
1977	---	---	0	0.296	0.192	0.090	0	0	0	0.002	---	---	0.072	1977
1978	---	---	0	4.68	0.906	0.014	0	0.096	0.054	0.313	---	---	0.748	1978
1979	---	---	0.003	8.71	5.06	2.28	0.038	0	0	0.043	---	---	2.00	1979
1980	---	---	0	1.24	0.027	0.001	0	0	0	0.021	---	---	0.158	1980
1981	---	---	0.146	0.282	0.017	0.016	0.014	0	0	0.045	---	---	0.065	1981
1982	---	---	0	3.05	0.337	0.397	0	0	0	0.034	---	---	0.469	1982
1983	---	---	0	1.64	0.233	0.230	0.540	0.050	0.007	0.007	---	---	0.335	1983
1984	---	---	0.124	3.36	1.37	1.48	0.021	0	0	0.102	---	---	0.797	1984
1985	---	---	0.199	6.25	0.782	0.275	0.214	0.071	0.008	0.002	---	---	0.960	1985
1986	---	---	0.261	4.47	0.487	0.260	0	0	0	0.045	---	---	0.680	1986
1987	---	---	0.001	1.09	0.044	0	0	0	0	0.041	---	---	0.144	1987
1988	---	---	0	3.07	0.079	0.037	0.039	0	0	0.001	---	---	0.396	1988
1989	---	---	0	0.508	0.079	0	0	0.008	0.001	0.018	---	---	0.076	1989
1990	---	---	0.683	2.79	0.432	0.001	0.017	0	0	0.018	---	---	0.487	1990
MEAN	---	---	0.107	3.30	0.922	0.588	0.287	0.022	0.013	0.059	---	---	0.648	MEAN

LOCATION - LAT 53 06 16 N DRAINAGE AREA, 305 km^2
LONG 103 40 45 W REGULATED

BURNTOUT BROOK NEAR ARBORFIELD - STATION NO. 05KB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	9.12 ON APR 16	0E ON APR 05 *	---	1955
1956	---	16.1 E ON APR 20	0E ON APR 14	---	1956
1957	---	35.4 ON APR 24 *	0E ON APR 16	---	1957
1958	---	11.3 E ON MAR 31	0E ON MAR 24	---	1958
1959	---	6.23 ON APR 06	0E ON MAR 28	---	1959
1960	---	10.9 ON APR 06	0E ON APR 01	---	1960
1961	---	3.74 ON APR 19	0E ON APR 12	---	1961
1962	---	20.0 ON APR 22	0E ON APR 12	---	1962
1963	---	11.2 ON MAR 29	0E ON MAR 25	---	1963
1965	---	18.8 ON APR 13	0B ON MAR 01	19 800	1965
1966	---	15.9 B ON APR 13	0B ON MAR 01	22 000	1966
1967	---	10.6 B ON APR 28	0B ON MAR 01	13 400	1967
1968	---	5.30 B ON MAR 25	0B ON MAR 01	4 540	1968
1969	---	14.0 B ON APR 11	0B ON MAR 01	6 550	1969
1970	---	18.0 ON JUN 30	0B ON MAR 01	21 100	1970
1971	---	17.8 ON APR 15	0B ON MAR 01	12 600	1971
1972	36.8 AT 08:49 CST ON APR 23	30.9 ON APR 23	0B ON MAR 01	28 700	1972
1973	---	34.0 ON JUL 03	0B ON MAR 01	20 200	1973
1974	---	30.6 ON APR 19	0B ON MAR 01	26 600	1974
1975	11.8 AT 09:48 CST ON APR 22	10.0 ON APR 22	0B ON MAR 01	14 200	1975
1976	---	9.00 ON APR 09	0B ON MAR 01	10 600	1976
1977	4.90 B AT 07:05 CST ON APR 10	3.23 B ON APR 10	0B ON MAR 01	1 520	1977
1978	14.1 AT 07:26 CST ON APR 18	11.8 ON APR 18	0B ON MAR 01	15 800	1978
1979	39.0 AT 01:34 CST ON APR 20 *	35.0 ON APR 20	0 ON JUL 14	42 200	1979
1980	6.68 A AT 08:20 CST ON APR 14	5.05 A ON APR 14	0B ON MAR 01	3 340	1980
1981	0.953B AT 12:33 CST ON APR 16	0.692B ON APR 19	0B ON MAR 01	1 370	1981
1982	18.1 AT 05:56 CST ON APR 16	15.1 ON APR 16	0B ON MAR 01	9 920	1982
1983	13.3 AT 04:45 CST ON APR 21	9.78 B ON APR 20	0B ON MAR 01	7 080	1983
1984	13.9 AT 13:34 CST ON JUN 21	9.84 ON APR 07	0B ON MAR 01	16 900	1984
1985	23.6 A AT 06:50 CST ON APR 14	20.2 ON APR 15	0B ON MAR 01	20 300	1985
1986	22.0 AT 15:32 CST ON APR 07	19.2 ON APR 08	0B ON MAR 01	14 400	1986
1987	4.80 AT 07:21 CST ON APR 07	3.59 ON APR 07	0B ON MAR 01	3 050	1987
1988	15.8 B AT 03:03 CST ON APR 05	12.5 B ON APR 05	0B ON MAR 01	8 380	1988
1989	3.85 B AT 05:00 CST ON APR 05	3.05 B ON APR 05	0B ON MAR 01	1 600	1989
1990	17.1 B AT 00:41 CST ON MAR 31	11.9 B ON MAR 31	0B ON MAR 01	10 300	1990
				13 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BUSHY COULEE NEAR CONSUL - STATION NO. 11AB071

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	---	2.14	0.557	0.011	0	0	0	---	---	0.454	1927
1928	---	---	---	---	0.024	0	0	0	0	0	---	---	0.004	1928
MEAN	---	---	---	---	1.08	0.279	0.006	0	0	0	---	---	0.229	MEAN

LOCATION - LAT 49 18 16 N LONG 109 27 23 W DRAINAGE AREA, 339 km^2 REGULATED

BUSHY COULEE NEAR CONSUL - STATION NO. 11AB071

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	8.21 E ON MAY 24 *	0 ON MAY 01 *	7 210	1927
1928	---	0.167 ON MAY 01	0 ON MAY 17	64.1	1928
				3 640	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANOE RIVER NEAR BEAUVAL - STATION NO. 06BB005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	39.9 R	29.3 R	---	1973
1974	22.2 R	20.1 R	19.5 R	30.8 R	61.0R	48.3	26.7	18.1	15.4	12.3	8.99R	7.42R	24.2 R	1974
1975	6.23 R	5.72 R	5.79 R	---	---	---	---	---	13.2	15.4	12.4	7.50R	---	1975
1976	5.42 R	5.18 R	6.05 R	13.0	13.6	9.32	17.8	19.7	19.0	18.7	16.3 R	6.97R	12.6 R	1976
1977	3.80 R	3.23 R	3.17 R	11.1	25.3	26.6	14.2	14.6	15.8	17.8	15.8 R	10.1 R	13.7 R	1977
1978	6.56	3.60	3.39	9.18	44.9	25.5	10.5	7.92	12.2	16.2	13.6	7.21R	13.5 R	1978
1979	5.09 R	3.76	2.91	11.0	23.1	14.7	9.55	5.57	9.06	15.2	13.0 R	8.02R	10.1 R	1979
1980	4.78	3.83	3.26	9.27	11.9	4.28	2.56	4.29	9.87	17.9	15.2 R	9.54R	8.05 R	1980
1981	7.09	6.83	6.76	16.4	15.5	7.10	4.54	5.11	1.88	2.07	2.07	1.77	6.08	1981
1982	0.695	0.102	0.068	1.11	17.8	14.4	6.96	5.57	6.79	9.28	9.11	6.21	6.55	1982
1983	6.06	5.06	5.17	9.81	11.9	6.60	3.97	2.60	3.21	4.90	6.56	3.26	5.76	1983
1984	1.63	1.52	0.980	10.1	18.5	41.5	21.6	6.65	5.82	10.0	10.6	7.36	11.3	1984
1985	4.78	2.74	2.47	8.75	42.3	28.1	15.8	10.5	8.53	9.17	7.59	3.97	12.1	1985
1986	5.21	3.87	5.84	14.8	23.2	20.5	14.1	16.3	12.8	14.3	10.5	7.88	12.5	1986
1987	8.63	9.92	9.19	24.0	29.8	13.7	6.33	4.35	4.88	7.00	6.69	5.56	10.8	1987
1988	4.64	3.09	3.75	12.8	11.8	5.35	5.48	7.28	12.9	13.1	12.2	9.71	8.50	1988
1989	8.69	6.17	3.86	11.0	18.0	10.2	4.57	3.43	4.29	7.43	5.97	3.97	7.30	1989
1990	2.43	1.75	1.64	10.1	20.4	9.63	3.68	2.64	2.89	2.98	1.90	1.05	5.10	1990
MEAN	6.11 R	5.10 R	4.93 R	12.8 R	24.3R	17.9	10.5	8.23	9.32	11.4	11.6 R	7.60R	10.5 R	MEAN

LOCATION - LAT 55 24 29 N LONG 108 02 25 W DRAINAGE AREA, 4 730 km² NATURAL FLOW

R - REVISED SINCE JAN 01 1989

CANOE RIVER NEAR BEAUVAL - STATION NO. 06BB005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	76.0RE ON APR 28 *	6.60 RB ON DEC 31	765 000	1974
1975	---	---	---	---	1975
1976	22.5 AT 19:22 CST ON JUL 29	22.2 ON JUL 30	4.39 RB ON FEB 15	399 000	1976
1977	49.0 AT 19:43 CST ON MAY 29	47.6 ON MAY 29	---	431 000	1977
1978	58.3 AT 17:20 CST ON MAY 19 *	56.1 ON MAY 19	2.97 B ON MAR 03	424 000	1978
1979	---	25.0E ON MAY 16	2.85 B ON MAR 20	319 000	1979
1980	---	19.5 ON OCT 28	1.65 ON JUL 10	255 000	1980
1981	---	20.0 ON APR 30	1.31 B ON DEC 29	192 000	1981
1982	21.4 AT 17:50 CST ON MAY 21	21.3 ON MAY 21	0.060B ON MAR 18 *	207 000	1982
1983	16.8 AT 07:40 CST ON APR 25	16.7 ON APR 24	2.02 B ON DEC 31	182 000	1983
1984	---	50.5E ON JUN 10	0.470B ON MAR 19	359 000	1984
1985	50.0 AT 16:23 CST ON MAY 17	49.2 ON MAY 17	2.31 B ON MAR 09	382 000	1985
1986	28.4B AT 17:00 CST ON APR 23	25.8 ON JUN 02	2.53 B ON FEB 23	394 000	1986
1987	44.1 AT 00:00 CST ON APR 21	39.0B ON APR 20	3.89 ON AUG 10	342 000	1987
1988	23.9B AT 17:43 CST ON APR 22	22.0B ON APR 22	2.63 B ON FEB 26	269 000	1988
1989	29.8 AT 10:10 CST ON APR 26	22.3 ON APR 29	2.94 B ON MAR 22	230 000	1989
1990	22.7 AT 19:46 CST ON MAY 09	22.6 ON MAY 09	0.455B ON DEC 31	161 000	1990
				332 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

CARROT RIVER AT BEAULIEU'S FARM - STATION NO. 05KA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	0.042	0.059	0.034	0.213	0.074	0.051	0.026	0	0	---	1919
1920	0	0	0	0.629	2.61	0.489	0.098	0	0	0	0	0	0.321	1920
1921	0	0	0	2.62	3.14	0.831	0.375	0.392	0.189	0.208	0.120	0.039	0.662	1921
1922	0	0	0	1.64	1.66	0.541	0.150	0.054	0.031	0.033	0.050	0.011	0.348	1922
1923	0	0	0	0.165	0.163	0.329	0.246	0.224	0.114	0.079	---	---	---	1923
1924	---	---	0	0.327	0.572	0.222	0.035	0.006	0	0	---	---	---	1924
1925	---	---	0	0.302	0.127	0.334	0.136	0.050	0.051	0.051	---	---	---	1925
1926	---	---	---	0.110	0.385	0.447	0.105	0.006	0.004	0.008	---	---	---	1926
1927	---	---	---	0.832	1.64	0.533	0.386	0.286	0.183	0.263	---	---	---	1927
1928	---	---	---	0.698	0.246	0.165	0.094	0.046	0.003	0.003	---	---	---	1928
1929	---	---	0	0.245	0.339	0.209	0.093	0.032	0.003	0	---	---	---	1929
1930	---	---	---	0.158	0.147	0.036	0.027	0	0.005	0.048	---	---	---	1930
1931	---	---	0.007	0.169	---	---	---	---	---	---	---	---	---	1931
MEAN	0	0	0.001	0.611	0.926	0.348	0.163	0.098	0.053	0.060	0.043	0.013	0.444	MEAN

LOCATION - LAT 52 51 00 N LONG 105 11 00 W DRAINAGE AREA, 546 km² NATURAL FLOW

CARROT RIVER AT BEAULIEU'S FARM - STATION NO. 05KA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0 ON MAR 14 *	---	1919
1920	---	5.24 ON MAY 03	0B ON JAN 01	10 200	1920
1921	---	12.9 ON APR 27 *	0B ON JAN 01	20 900	1921
1922	---	2.49 B ON APR 10	0B ON JAN 01	11 000	1922
1923	---	0.527 ON JUN 25	0B ON JAN 01	---	1923
1924	---	1.10 ON APR 29	0B ON MAR 01	---	1924
1925	---	0.983 ON APR 07	0 ON MAR 01	---	1925
1926	---	0.595 ON MAY 29	0B ON APR 01	---	1926
1927	---	2.89 ON APR 26	---	---	1927
1928	---	---	0 ON SEP 11	---	1928
1929	---	0.637 ON APR 21	0B ON MAR 01	---	1929
1930	---	0.328 ON APR 12	0B ON APR 01	---	1930
1931	---	---	0B ON MAR 01	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 000	MEAN

CARROT RIVER NEAR ARMLEY - STATION NO. 05KB003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0.031	63.4	72.5	12.8	2.26	0.060	0.009	0.012	---	---	18.8	1955
1956	---	---	0.004	30.9	53.3	5.59	1.23	0.494	0.029	0.021	---	---	11.4	1956
1957	---	---	0.033	50.0	30.5	1.38	0.245	0.011	0.058	0.010	---	---	10.2	1957
1958	---	---	0.046	22.5	1.87	0.115	0.014	0.002	0.004	0.019	---	---	3.01	1958
1959	---	---	0.002	10.7	1.12	0.079	0.085	0.008	0.001	0.037	---	---	1.48	1959
1960	---	---	0.028	31.6	7.16	1.45	0.428	0.002	0	0	---	---	5.01	1960
1961	---	---	0	2.27	0.291	0.002	0	0	0	0	---	---	0.315	1961
1962	---	---	0	16.2	3.41	0.045	0	0	0	0	---	---	2.42	1962
1963	---	---	0	11.7	0.016	0.005	0.042	0	0	0	---	---	1.44	1963
1964	---	---	0	9.54	0.861	0.055	0	0	0	0	---	---	1.28	1964
1965	---	---	0	15.4	2.87	1.18	0.700	0.090	0.001	0.001	---	---	2.49	1965
1966	---	---	0.008	39.1	7.27	1.67	0.930	0.134	0.031	0.018	---	---	6.05	1966
1967	---	---	0.006	3.22	30.8	1.86	0.007	0	0.002	0.002	---	---	4.52	1967
1968	---	---	6.51	11.8	0.723	0.091	0.003	0.115	0.791	0.075	---	---	2.49	1968
1969	---	---	0.006	34.3	6.39	0.612	0.006	0.004	0.001	0.388	---	---	5.13	1969
1970	---	---	0	38.2	17.0	2.12	2.44	0.274	0.011	0.067	---	---	7.44	1970
1971	---	---	0	34.9	4.75	0.474	0.747	0.212	0.026	0.163	---	---	5.07	1971
1972	---	---	0	63.2	28.5	1.21	0.103	0.010	0.002	0	---	---	11.5	1972
1973	---	---	0.112	2.97	0.310	19.1	11.7	2.56	0.827	0.605	---	---	4.74	1973
1974	---	---	0.018	87.8	63.0	19.8	4.06	0.937	1.64	1.34	---	---	22.1	1974
1975	---	---	0.016	23.5	39.8	5.84	1.69	0.400	0.063	0.024	---	---	8.90	1975
1976	---	---	0.025	22.8	3.11	0.677	1.17	0.216	0.001	0.015	---	---	3.45	1976
1977	---	---	0	1.99	1.38	1.67	0.043	0.005	0.002	0.020	---	---	0.631	1977
1978	---	---	0.001	39.9	10.5	0.682	1.25	0.137	0.304	0.044	---	---	6.51	1978
1979	---	---	0	63.2	66.9	13.7	2.47	0.155	0.110	0.020	---	---	18.2	1979
1980	---	---	0.010	27.3	5.07	0.172	0.042	0.010	0.077	0.087	---	---	4.04	1980
1981	---	---	0.373	0.873	0.137	0.016	0.025	0.016	0.003	0.022	---	---	0.182	1981
1982	---	---	0	12.0	4.99	1.62	0.293	0.016	0.027	0.024	---	---	2.46	1982
1983	---	---	0	15.3	7.18	0.926	0.789	0.249	0.185	0.067	---	---	3.05	1983
1984	---	---	0	17.7	7.22	7.79	0.759	0.022	0.001	0.001	---	---	4.14	1984
1985	---	---	0.002	91.8	23.4	4.68	1.16	0.062	0.012	0.033	---	---	14.9	1985
1986	---	---	0.944	18.9	2.02	0.276	0.008	0.001	0	0	---	---	2.72	1986
1987	---	---	0	6.62	0.850	0.045	0	0.007	0	0	---	---	0.925	1987
1988	---	---	0	40.0	3.34	0.133	0	0	0	0	---	---	5.34	1988
1989	---	---	0	0.707	0.090	0.006	0	0	0	0	---	---	0.099	1989
1990	---	---	0.458	13.2	0.866	0.019	0.073	0	0	0	---	---	1.80	1990
MEAN	---	---	0.240	27.2	14.1	3.00	0.966	0.172	0.117	0.087	---	---	5.67	MEAN

LOCATION - LAT 53 08 11 N DRAINAGE AREA, 4 400 km^2
LONG 104 01 15 W NATURAL FLOW

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	117 ON MAY 02	0 B ON MAR 22 *	398 000	1955
1956	---	177 ON APR 25	0 ON AUG 26	242 000	1956
1957	311 E AT 18:00 CST ON APR 26	309 E ON APR 26	0 B ON MAR 01	216 000	1957
1958	61.7 B AT 08:30 CST ON APR 07	60.9 B ON APR 07	0 B ON MAR 01	63 800	1958
1959	---	29.4 B ON APR 07	0 B ON MAR 01	31 300	1959
1960	82.4 AT 16:00 CST ON APR 16	81.0 ON APR 16	0 E ON AUG 13	106 000	1960
1961	10.8 B AT 17:00 CST ON APR 18	9.77B ON APR 18	0 B ON MAR 01	6 680	1961
1962	64.0 B AT 14:00 CST ON APR 22	64.6 B ON APR 22	0 B ON MAR 01	51 200	1962
1963	45.3 B AT 20:20 CST ON APR 09	35.7 B ON APR 09	0 B ON MAR 01	30 500	1963
1964	48.7 B AT 16:30 CST ON APR 11	43.6 B ON APR 11	0 B ON MAR 01	27 200	1964
1965	---	48.7 B ON APR 14	0 B ON MAR 01	52 800	1965
1966	129 AT 19:30 CST ON APR 17	123 ON APR 17	0 ON AUG 13	128 000	1966
1967	63.1 B AT 17:00 CST ON MAY 01	61.4 B ON MAY 01	0 ON JUL 23	95 600	1967
1968	---	40.5 B ON MAR 28	0 B ON MAR 01	52 700	1968
1969	---	108 B ON APR 13	0 ON JUL 10	109 000	1969
1970	121 AT 16:30 CST ON APR 20	119 ON APR 20	0 B ON MAR 01	157 000	1970
1971	119 AT 15:00 CST ON APR 16	115 ON APR 16	0 B ON MAR 01	107 000	1971
1972	328 AT 20:13 CST ON APR 24	306 ON APR 24	0 B ON MAR 01	244 000	1972
1973	49.6 AT 11:09 CST ON JUN 10	48.4 ON JUN 10	0 B ON MAR 01	100 000	1973
1974	450 AT 17:10 CST ON APR 21 *	377 ON APR 21 *	0 B ON MAR 24	469 000	1974
1975	106 AT 16:41 CST ON MAY 01	105 ON MAY 01	0 B ON MAR 11	188 000	1975
1976	---	60.0 ON APR 08	0 ON AUG 29	73 100	1976
1977	7.93 AT 18:05 CST ON MAY 28	6.12 ON MAY 29	0 B ON MAR 01	13 400	1977
1978	115 AT 14:14 CST ON APR 21	114 ON APR 21	0.001B ON MAR 01	138 000	1978
1979	310 AT 19:04 CST ON APR 26	310 ON APR 27	0 B ON MAR 01	366 000	1979
1980	76.4 AT 18:32 CST ON APR 21	74.4 ON APR 21	0 B ON MAR 01	85 500	1980
1981	---	1.69B ON APR 03	0 B ON MAR 01	3 850	1981
1982	73.7 AT 17:55 CST ON APR 18	69.1 ON APR 18	0 B ON MAR 01	52 200	1982
1983	91.4 AT 19:51 CST ON APR 22	86.0 ON APR 22	0 B ON MAR 01	64 600	1983
1984	51.6 AT 08:32 CST ON APR 08	50.9 ON APR 08	0 B ON MAR 01	87 600	1984
1985	239 AT 04:01 CST ON APR 21	231 ON APR 21	0 B ON MAR 01	316 000	1985
1986	41.1 AT 01:31 CST ON APR 03	38.2 ON APR 09	0 B ON MAR 01	57 600	1986
1987	14.7 AT 22:14 CST ON APR 09	13.5 ON APR 09	0 B ON MAR 01	19 600	1987
1988	132 AT 19:39 CST ON APR 14	127 ON APR 15	0 B ON MAR 01	113 000	1988
1989	1.80B AT 08:58 CST ON APR 13	1.52B ON APR 13	0 B ON MAR 01	2 090	1989
1990	50.5 B AT 04:37 CST ON APR 04	47.9 B ON APR 04	0 B ON MAR 01	38 100	1990
				120 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CARROT RIVER NEAR KINISTINO - STATION NO. 05KA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	----	----	0	0.043	0	0	0	0	0	0	0	0	0.005	1919
1920	0	0	0	0.608	3.56	0.724	0.070	0	0	0	0	0	0.622	1920
1921	0	0	0	1.81	11.1	4.64	2.04	0.757	1.08	1.02	----	----	3.06	1921
1922	----	----	0	3.77	6.40	2.53	5.97	2.21	0.193	0.276	0.178	0.004	2.65	1922
1923	0	0	0	0.464	0.356	1.50	0.886	0.870	0.230	0.231	----	----	0.565	1923
1924	----	----	0	1.64	0.949	0.353	0.071	0.072	0.014	0	----	----	0.384	1924
1925	----	----	0	1.70	0.394	2.64	0.776	0.207	0.235	0.230	----	----	0.773	1925
1926	----	----	0.054	0.815	1.60	1.14	0.117	0.010	0.056	0.196	----	----	0.496	1926
1927	----	----	0	5.01	3.51	1.48	1.54	0.645	0.584	0.639	----	----	1.67	1927
1928	----	----	1.33	1.52	0.619	0.570	0.300	0.068	0.057	0.087	----	----	0.568	1928
1929	----	----	0	1.68	0.653	1.35	0.620	0.083	0.046	0.045	----	----	0.553	1929
1930	----	----	0	1.04	0.224	0.142	0.072	0.006	0.055	0.048	----	----	0.195	1930
1931	----	----	0.023	0.631	----	----	----	----	----	----	----	----	----	1931
1956	----	----	0	6.80	7.72	1.46	0.325	0.327	0.134	0.026	----	----	2.09	1956
1957	----	----	0.008	2.94	4.43	0.565	0.093	0.037	0.061	0.015	----	----	1.02	1957
1958	----	----	0.028	1.57	0.692	0.267	0.003	0	0.001	0.005	----	----	0.317	1958
1959	----	----	0	0.131	0.197	0.012	0	0	0	0	----	----	0.042	1959
1960	----	----	0	2.61	0.905	0.675	0.204	0.088	0.014	0	----	----	0.556	1960
1961	----	----	0	0.082	0.021	0.004	0	0	0	0	----	----	0.013	1961
1962	----	----	0	0.212	0.025	0.005	0	0	0	0.004	----	----	0.030	1962
1963	----	----	0.001	0.129	0.007	0.006	0.005	0	0	0.010	----	----	0.020	1963
1964	----	----	0	0.016	0.017	0.003	0	0	0.003	0.016	----	----	0.007	1964
1965	----	----	0	0.778	0.497	0.001	0.007	0	0	0.009	----	----	0.160	1965
1966	----	----	0	3.54	1.71	0.435	0.330	0.060	0.072	0.134	----	----	0.780	1966
1967	----	----	0	0.108	5.10	0.375	0.063	0.033	0.021	0.049	----	----	0.725	1967
1968	----	----	0.315	0.932	0.135	0.019	0.106	0.019	0.113	0.062	----	----	0.211	1968
1969	----	----	0.006	5.11	2.35	0.319	0.088	0.076	0.030	0.199	----	----	1.01	1969
1970	----	----	0	5.67	5.32	0.511	0.330	0.120	0.011	0.049	----	----	1.49	1970
1971	----	----	0	3.22	0.888	0.108	0.057	0.043	0.027	0.008	----	----	0.537	1971
1972	----	----	0	4.86	6.19	0.500	0.040	0.028	0.007	0.008	----	----	1.45	1972
1973	----	----	0.010	0.057	0.014	1.01	0.785	0.349	0.386	0.187	----	----	0.350	1973
1974	----	----	0	8.20	18.1	7.54	1.86	0.423	0.886	0.501	----	----	4.60	1974
1975	----	----	0.036	2.13	8.71	2.34	0.970	0.157	0.061	0.188	----	----	1.83	1975
1976	----	----	0.012	4.97	0.533	0.075	0.193	0.095	0.026	0.022	----	----	0.729	1976
1977	----	----	0.001	0.060	0.016	0.006	0.012	0.047	0.012	0.015	----	----	0.021	1977
1978	----	----	0.002	2.32	2.04	0.761	0.460	0.225	0.043	0.088	----	----	0.738	1978
1979	----	----	0	2.74	13.9	4.40	0.895	0.183	0.311	0.025	----	----	2.81	1979
1980	----	----	0	2.63	1.20	0.011	0.023	0.005	0.018	0.041	----	----	0.486	1980
1981	----	----	0.031	0.111	0.006	0.005	0	0.001	0.001	0.004	----	----	0.020	1981
1982	----	----	0	0.320	0.629	0.224	0.005	0.140	0.074	0.078	----	----	0.184	1982
1983	----	----	0	0.866	1.02	0.059	0.473	0.004	0.010	0	----	----	0.304	1983
1984	----	----	0.026	2.49	0.642	1.44	0.269	0.018	0.023	0.011	----	----	0.605	1984
1985	----	----	0	10.7	9.98	1.93	0.105	0.001	0.001	0.001	----	----	2.82	1985
1986	----	----	0.056	1.30	0.390	0.004	0	0	0.006	0.053	----	----	0.224	1986
1987	----	----	0	1.03	0.280	0.009	0	0.001	0.005	0.011	----	----	0.164	1987
1988	----	----	0	2.51	1.15	0.117	0.010	0.002	0.002	0.016	----	----	0.471	1988
1989	----	----	0	0.199	0.003	0.002	0.010	0	0.011	0.006	----	----	0.029	1989
1990	----	----	0.040	0.134	0.033	0.002	0.017	0.001	0	0	----	----	0.028	1990
MEAN	0	0	0.041	2.17	2.64	0.899	0.430	0.158	0.105	0.098	0.059	0.001	0.819	MEAN

LOCATION - LAT 52 56 55 N LONG 105 00 18 W

DRAINAGE AREA, 1 170 km² REGULATED

REMARKS - RECORDS PRIOR TO 1966 WERE OBTAINED AT VARIOUS OTHER SITES IN THE VICINITY

CARROT RIVER NEAR KINISTINO - STATION NO. 05KA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	0.379 ON APR 06	0 B ON MAR 01 *	112	1919
1920	---	7.05 ON MAY 08	0 ON MAR 01	13 200	1920
1921	---	19.7 ON APR 26	0 B ON MAR 01	64 700	1921
1922	---	17.4 ON JUL 15	0 B ON MAR 01	56 100	1922
1923	---	3.11 ON JUN 23	0 B ON MAR 01	12 000	1923
1924	---	5.21 B ON APR 22	0 B ON MAR 01	8 130	1924
1925	---	6.14 B ON APR 07	0 B ON MAR 01	16 400	1925
1926	---	2.66 ON JUN 01	0 B ON MAR 01	10 500	1926
1927	---	10.1 ON APR 26	0 E ON MAR 01	15 300	1927
1928	---	4.81 B ON MAR 26	0 B ON MAR 01	12 000	1928
1929	---	4.62 B ON APR 20	0 B ON MAR 01	11 700	1929
1930	---	4.59 B ON APR 11	0 B ON MAR 01	4 130	1930
1931	---	1.98 B ON APR 09	0 B ON MAR 14	---	1931
1956	---	27.8 ON APR 18 *	0 E ON MAR 01	44 200	1956
1957	---	10.4 B ON APR 29	0.003B ON MAR 01	21 500	1957
1958	---	3.20 ON APR 14	0 ON JUL 13	6 700	1958
1959	---	1.27 B ON APR 30	0 B ON MAR 01	898	1959
1960	---	5.24 ON APR 26	0 B ON MAR 01	11 800	1960
1961	---	0.168B ON APR 19	0 B ON MAR 01	278	1961
1962	2.86 B AT 16:30 CST ON APR 17	0.966 ON APR 22	0 B ON MAR 01	641	1962
1963	---	0.787B ON APR 13	0 B ON MAR 01	413	1963
1964	---	0.076B ON APR 14	0 B ON MAR 01	148	1964
1965	---	4.05 ON APR 29	0 B ON MAR 01	3 390	1965
1966	---	9.00 B ON APR 15	0 B ON MAR 01	16 500	1966
1967	---	9.85 ON MAY 06	0 B ON MAR 01	15 300	1967
1968	---	4.16 B ON MAR 30	0 B ON MAR 01	4 460	1968
1969	---	10.1 ON APR 18	0 ON SEP 09	21 400	1969
1970	---	11.8 ON APR 24	0 B ON MAR 01	31 600	1970
1971	11.5 AT 00:00 CST ON APR 17	9.91 ON APR 17	0 B ON MAR 01	11 400	1971
1972	18.6 B AT 07:41 CST ON APR 22	17.6 B ON APR 22	0 B ON MAR 01	30 700	1972
1973	3.88 AT 12:00 CST ON JUL 03	3.88 ON JUL 03	0 B ON MAR 01	7 420	1973
1974	25.4 AT 17:31 CST ON APR 29 *	25.2 ON APR 30	0 B ON MAR 01	99 100	1974
1975	13.7 AT 13:45 CST ON MAY 02	13.5 ON MAY 02	0.008 ON SEP 23	38 700	1975
1976	10.8 AT 21:09 CST ON APR 09	7.62 ON APR 19	0 B ON MAR 01	15 400	1976
1977	---	0.379 ON APR 17	0 B ON MAR 01	450	1977
1978	6.85 AT 10:19 CST ON APR 26	6.77 ON APR 26	0 B ON MAR 01	15 600	1978
1979	19.7 AT 10:15 CST ON APR 30	19.4 ON MAY 08	0 B ON MAR 01	59 500	1979
1980	7.85 AT 16:51 CST ON APR 20	7.06 ON APR 21	0 B ON MAR 01	10 300	1980
1981	0.536B AT 12:46 CST ON APR 07	0.344B ON APR 19	0 B ON MAR 01	416	1981
1982	3.51 AT 13:30 CST ON JUN 21	1.44 ON APR 27	0 B ON MAR 01	3 900	1982
1983	3.15 AT 12:25 CST ON APR 23	1.32 ON APR 23	0 B ON MAR 01	6 440	1983
1984	4.31 AT 04:46 CST ON APR 07	3.88 ON APR 11	0 B ON MAR 01	12 800	1984
1985	20.3 AT 05:01 CST ON APR 27	20.0 ON APR 27	0 B ON MAR 01	59 800	1985
1986	4.79 AT 10:03 CST ON APR 13	1.94 ON APR 09	0 B ON MAR 01	4 740	1986
1987	2.92 AT 14:55 CST ON APR 16	2.77 ON APR 16	0 B ON MAR 01	3 480	1987
1988	12.6 AT 16:16 CST ON APR 17	9.01 B ON APR 15	0 B ON MAR 01	9 970	1988
1989	1.19 AT 09:08 CST ON APR 14	0.566B ON APR 08	0 B ON MAR 01	604	1989
1990	1.52 AT 14:03 CST ON APR 20	0.490B ON MAR 30	0 B ON MAR 01	596	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17 300	MEAN

CARROT RIVER NEAR MYRHEIM'S FARM - STATION NO. 05KB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.39	11.7	2.34	---	---	---	---	---	---	---	1956
1962	---	---	0	2.44	0.516	0.050	0	0	0	---	---	---	---	1962
MEAN	---	---	0	5.42	6.11	1.20	0	0	0	---	---	---	---	MEAN

LOCATION - LAT 53 04 00 N LONG 104 43 00 W DRAINAGE AREA, 1 980 km^2 NATURAL FLOW

CARROT RIVER NEAR MYRHEIM'S FARM - STATION NO. 05KB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	51.0 ON APR 22 *	0E ON APR 01 *	---	1956
1962	---	12.9 ON APR 23	0B ON MAR 01	---	1962
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CARROT RIVER NEAR SMOKY BURN - STATION NO. 05KC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0.307	142	155	26.4	8.14	0.804	0.402	0.661	---	---	---	1955
1956	---	---	0.382	60.0	205	11.8	3.06	1.79	0.565	0.810	---	---	---	1956
1957	---	---	0.091	102	115	5.46	1.98	0.693	0.843	0.745	---	---	---	1957
1958	---	---	0.527	66.5	7.08	2.78	1.06	0.338	1.42	2.14	---	---	---	1958
1959	---	---	0.235	61.6	18.6	2.08	1.84	0.504	0.819	1.73	---	---	---	1959
1960	---	---	0.115	94.5	31.0	8.67	2.08	0.656	0.077	0.213	---	---	---	1960
1961	---	---	0.125	14.6	6.50	0.193	0.065	0.042	0.005	0.067	0.085	---	---	1961
1962	---	---	0.184	70.6	21.0	0.966	0.123	0.183	0.627	0.368	---	---	---	1962
1963	---	---	0.037	39.6	1.37	0.986	4.03	0.975	0.935	0.389	---	---	---	1963
1964	---	---	0.394	42.1	8.50	0.435	0.252	0.375	2.35	2.04	---	---	---	1964
1965	---	---	0.100	60.5	25.8	32.5	11.3	5.26	1.52	2.36	---	---	---	1965
1966	---	---	0.155	124	37.9	19.0	8.52	3.06	0.428	1.55	---	---	---	1966
1967	---	---	0.448	19.0	92.8	6.85	0.822	0.952	0.253	0.593	---	---	---	1967
1968	---	---	20.6	31.9	6.77	3.82	4.09	1.17	3.34	1.04	---	---	---	1968
1969	---	---	0.300	79.4	11.2	1.61	0.423	0.471	0.153	6.77	---	---	---	1969
1970	---	---	0.283	86.9	44.2	7.82	23.4	0.972	0.294	1.23	---	---	---	1970
1971	---	---	0.241	113	11.1	2.12	4.50	1.97	0.872	4.29	---	---	---	1971
1972	---	---	0.262	169	92.2	8.56	1.12	0.364	0.219	0.698	---	---	---	1972
1973	---	---	0.359	11.3	7.21	29.9	24.3	10.2	1.39	1.49	---	---	---	1973
1974	---	---	0.215	192	109	31.6	5.16	8.30	5.65	6.50	---	---	---	1974
1975	---	---	0.961	64.1	81.3	17.3	4.95	0.910	0.428	1.66	---	---	---	1975
1976	---	---	0.245	54.0	6.03	7.79	6.12	0.661	0.228	0.380	---	---	---	1976
1977	---	---	0.306	9.47	1.13	4.59	0.419	1.39	2.55	1.60	---	---	---	1977
1978	---	---	0.241	124	32.5	3.06	2.26	2.85	2.66	5.80	3.92	1.22	---	1978
1979	0.542	0.266	0.279	141	176	37.6	5.75	0.456	0.362	0.883	0.827	0.431	30.5	1979
1980	0.394	0.353	0.287	60.5	9.56	0.490	0.895	1.07	1.62	2.04	1.00	0.435	6.48	1980
1981	0.211	0.228	3.73	8.12	3.17	0.897	0.759	0.736	0.292	1.48	2.19	0.631	1.96	1981
1982	0.085	0.042	0.029	57.2	12.3	13.6	1.60	0.834	0.665	1.19	0.536	0.137	7.31	1982
1983	0.421	0.513	0.346	37.7	14.8	12.9	13.2	1.52	2.58	1.61	1.55	0.899	7.58	1983
1984	0.517	0.332	0.551	62.4	33.1	40.0	3.80	0.269	0.502	1.61	1.13	0.843	12.0	1984
1985	0.439	0.499	0.489	203	49.9	15.9	6.17	2.50	1.42	2.41	1.27	0.375	23.5	1985
1986	0.386	0.313	0.522	67.0	11.4	2.85	0.932	0.857	0.309	0.651	0.572	0.698	7.16	1986
1987	0.544	0.226	0.093	25.8	4.67	1.92	1.34	0.271	0.361	0.979	0.970	0.526	2.95	1987
1988	0.291	0.232	0.233	87.5	9.09	0.693	0.283	0.466	0.562	0.444	0.358	0.397	8.27	1988
1989	0.233	0.138	0.144	8.52	2.47	1.34	1.58	1.25	2.15	0.718	0.847	0.642	1.67	1989
1990	0.395	0.416	0.976	61.9	13.8	1.98	1.95	0.099	0.063	0.278	0.263	0.127	6.81	1990
MEAN	0.372	0.297	0.989	73.7	41.0	10.2	4.42	1.53	1.13	1.67	1.11	0.582	9.68	MEAN

LOCATION - LAT 53 25 00 N DRAINAGE AREA, 9 250 km²
LONG 103 08 30 W NATURAL FLOW

CARROT RIVER NEAR SMOKY BURN - STATION NO. 05KC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	266 ON MAY 08	---	---	1955
1956	---	404 ON MAY 09	---	---	1956
1957	733 A AT 21:00 CST ON APR 26	697 A ON APR 27	---	---	1957
1958	---	178 B ON APR 07	---	---	1958
1959	---	165 B ON APR 08	---	---	1959
1960	266 AT 20:00 CST ON APR 17	255 ON APR 18	---	---	1960
1961	---	66.0B ON APR 21	---	---	1961
1962	275 AT 10:00 CST ON APR 25	274 ON APR 25	---	---	1962
1963	133 B AT 02:00 CST ON APR 13	109 B ON APR 12	---	---	1963
1964	---	133 B ON APR 15	---	---	1964
1965	---	201 B ON APR 18	---	---	1965
1966	413 AT 18:00 CST ON APR 19	374 ON APR 19	---	---	1966
1967	180 AT 22:00 CST ON MAY 05	178 ON MAY 05	---	---	1967
1968	---	106 B ON MAR 30	---	---	1968
1969	266 AT 17:00 CST ON APR 17	263 ON APR 17	---	---	1969
1970	297 AT 18:00 CST ON APR 24	294 ON APR 24	---	---	1970
1971	411 AT 11:56 CST ON APR 19	402 ON APR 19	---	---	1971
1972	818 AT 10:17 CST ON APR 26	816 ON APR 26 *	---	---	1972
1973	---	60.3E ON JUN 11	---	---	1973
1974	824 AT 18:00 CST ON APR 23 *	804 ON APR 23	---	---	1974
1975	219 AT 13:22 CST ON MAY 04	218 ON MAY 04	---	---	1975
1976	151 AT 06:48 CST ON APR 12	150 ON APR 12	---	---	1976
1977	---	38.5 ON MAY 29	---	---	1977
1978	348 AT 16:36 CST ON APR 24	345 ON APR 24	---	---	1978
1979	625 AT 16:05 CST ON APR 28	622 B ON APR 28	0.206 ON AUG 28	961 000	1979
1980	178 AT 20:38 CST ON APR 20	176 ON APR 20	0.117E ON JUN 23	205 000	1980
1981	---	19.3B ON MAR 31	0.037 ON SEP 08	61 700	1981
1982	204 AT 15:34 CST ON APR 22	202 ON APR 22	0.022B ON MAR 25	231 000	1982
1983	162 AT 18:06 CST ON APR 26	160 ON APR 26	0.245B ON MAR 08	239 000	1983
1984	166 AT 04:31 CST ON APR 12	164 ON APR 12	0.031 ON AUG 18	379 000	1984
1985	537 AT 14:30 CST ON APR 18	523 ON APR 18	0.254B ON DEC 17	741 000	1985
1986	176 AT 19:09 CST ON APR 10	175 ON APR 10	0.126 ON SEP 06	226 000	1986
1987	97.5 AT 21:10 CST ON APR 10	79.4 ON APR 11	0.010B ON MAR 26	93 100	1987
1988	235 AT 11:18 CST ON APR 17	234 ON APR 17	0.044 ON JUN 27	261 000	1988
1989	21.6B AT 01:10 CST ON APR 09	18.4B ON APR 09	0.098B ON FEB 23	52 500	1989
1990	209 AT 17:41 CST ON APR 06	178 ON APR 07	0.009 ON AUG 24 *	215 000	1990
				305 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CARROT RIVER NEAR TURNBERRY - STATION NO. 05KH007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	1.21	39.0	126	72.5	41.0	16.0	10.2	7.99	6.59	3.17	---	1966
1967	2.37	2.02	4.98	3.62	113	74.0	19.1	11.7	4.72	2.61	2.17	1.45	20.0	1967
1968	1.05	0.877	1.60	13.1	40.6	35.7	41.4	13.1	20.2	9.90	6.12	3.20	17.5	1968
1969	1.59	1.15	1.15	47.1	55.3	13.7	4.39	3.30	2.77	14.2	4.40	1.76	12.6	1969
1970	0.988	0.834	0.771	21.2	128	41.8	58.1	15.3	5.41	7.56	16.8	4.68	25.4	1970
1971	1.92	1.24	1.23	53.5	97.8	16.4	12.8	11.2	9.11	25.0	18.4	5.85	21.3	1971
1972	2.78	1.75	1.70	25.9	196	53.7	17.3	7.13	5.91	6.97	1.93	0.420	27.0	1972
1973	0.632	0.663	1.27	18.3	36.6	86.2	78.3	30.1	15.1	10.2	7.67	5.00	24.0	1973
1974	3.20	2.59	2.23	33.6	211	102	20.8	19.1	16.1	18.4	9.47	4.07	38.1	1974
1975	2.69	2.12	1.90	19.9	113	84.0	43.4	11.7	11.1	15.4	7.18	1.92	26.3	1975
1976	1.27	1.25	1.15	40.6	38.8	28.5	31.9	5.70	3.00	3.13	1.79	1.18	13.2	1976
1977	0.931	0.869	1.64	20.8	20.6	12.9	2.64	10.6	9.81	8.98	13.2	1.39	8.88	1977
1978	1.71	0.929	1.57	26.6	129	33.3	9.76	17.0	13.8	38.2	19.9	6.27	25.0	1978
1979	2.33	1.48	1.37	20.9	226	137	33.9	6.46	6.42	8.28	6.84	2.12	38.1	1979
1980	1.12	1.01	1.67	33.9	39.2	5.49	9.17	4.42	8.80	12.3	3.36	1.55	10.2	1980
1981	0.641	0.781	3.12	16.6	19.1	5.51	5.95	2.25	2.97	16.0	8.09	2.26	7.73	1981
1982	0.777	0.362	0.335	21.5	58.8	46.4	13.5	4.23	2.26	9.27	2.28	1.48	13.5	1982
1983	1.61	1.37	1.33	16.2	61.7	66.4	44.8	14.9	15.8	13.0	7.16	2.13	21.0	1983
1984	1.37	1.45	1.68	59.6	84.0	92.2	43.1	7.47	5.06	17.5	7.65	3.40	27.0	1984
1985	2.16	1.76	2.06	70.7	172	57.5	24.2	16.7	11.5	18.0	7.50	1.87	32.3	1985
1986	2.24	2.04	2.07	54.2	73.1	24.5	6.50	8.07	5.04	9.35	3.22	2.23	16.0	1986
1987	2.13	2.12	2.24	35.4	17.7	12.1	16.4	7.38	6.69	15.9	8.42	3.48	10.9	1987
1988	1.97	1.42	2.12	51.8	77.6	10.3	2.72	2.50	4.47	3.09	1.72	1.23	13.4	1988
1989	0.811	0.661	0.556	12.8	17.7	7.53	8.14	4.71	18.2	5.07	4.06	1.94	6.86	1989
1990	0.869	0.896	1.38	46.9	67.2	19.2	13.1	1.60	0.950	1.38	1.16	0.950	13.0	1990
MEAN	1.63	1.32	1.68	32.9	88.8	45.6	24.6	10.2	8.74	11.9	7.04	2.68	19.5	MEAN

LOCATION - LAT 53 36 00 N LONG 102 07 00 W DRAINAGE AREA, 12 600 km² NATURAL FLOW

CARROT RIVER NEAR TURNBERRY - STATION NO. 05KH007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	---	163 ON MAY 04	---	---	1967
1968	---	169 ON MAY 26	1.25 B ON DEC 31	631 000	1968
1969	---	68.8 ON JUL 01	0.793B ON FEB 26	554 000	1969
		110 ON APR 29	1.05 E ON SEP 21	398 000	
1970	---	162 ON MAY 08	0.765B ON MAR 05	800 000	1970
1971	---	193 A ON MAY 01	1.16 B ON FEB 15	673 000	1971
1972	228 AT 21:00 CST ON MAY 09	227 ON MAY 05	0.331B ON DEC 11	853 000	1972
1973	126 AT 12:42 CST ON JUN 23	126 ON JUN 23	0.527B ON JAN 01	758 000	1973
1974	---	246 ON MAY 02 *	2.12 B ON MAR 14	1 200 000	1974
1975	---	138 ON MAY 21	1.44 B ON DEC 31	830 000	1975
1976	64.8 AT 10:15 CST ON APR 26	64.6 ON APR 24	0.977B ON DEC 31	417 000	1976
1977	47.3B AT 19:34 CST ON APR 17	46.4 ON APR 18	0.503B ON FEB 02	280 000	1977
1978	200 AT 16:29 CST ON MAY 08	200 ON MAY 07	0.609B ON MAR 31	790 000	1978
1979	---	241 ON MAY 04	1.36 B ON MAR 10	1 200 000	1979
1980	65.4 AT 16:04 CST ON APR 23	64.9 ON APR 23	0.935B ON FEB 12	322 000	1980
1981	41.0 AT 03:14 CST ON JUL 17	38.9 ON JUL 17	0.496B ON JAN 12	244 000	1981
1982	82.9 AT 20:30 CST ON MAY 04	82.8 ON MAY 05	0.181B ON MAR 02 *	427 000	1982
1983	90.2 AT 22:53 CST ON JUN 15	89.6 ON JUN 16	0.798B ON MAR 12	662 000	1983
1984	---	109 E ON JUN 08	1.14 B ON MAR 17	855 000	1984
1985	241 AT 18:17 CST ON MAY 01 *	240 ON MAY 01	1.51 B ON DEC 19	1 020 000	1985
1986	---	91.2B ON APR 18	1.45 B ON FEB 27	505 000	1986
1987	51.2 AT 12:14 CST ON APR 22	50.6 ON APR 22	1.40 B ON MAR 16	342 000	1987
1988	124 AT 21:06 CST ON MAY 01	123 ON MAY 01	0.979B ON DEC 31	425 000	1988
1989	37.2 AT 11:01 CST ON SEP 10	36.7 ON SEP 10	0.490B ON MAR 20	216 000	1989
1990	80.4 AT 03:03 CST ON MAY 11	79.8 ON MAY 10	0.791 ON SEP 19	410 000	1990
				617 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CATON DITCH NEAR RAVENSCRAG - STATION NO. 11AC035

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0	0	0.053	0.081	0.043	0	0	0	---	---	0.022	1920
1921	---	---	0	0	0	0.037	0	0	0	0	---	---	0.005	1921
1922	---	---	0	0	0.117	0.133	0.013	0	0	0	---	---	0.033	1922
1923	---	---	0	0	0.081	0.095	0	0	0	0	---	---	0.022	1923
1924	---	---	0	0	0.034	0.006	0	0	0	0	---	---	0.005	1924
1925	---	---	0	0	0.006	0.078	0.033	0	0	0	---	---	0.015	1925
1926	---	---	0	0	0.035	0.022	0	0	0	0	---	---	0.007	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0.022	0.089	0.011	0	0	0	---	---	0.015	1929
1930	---	---	0	0	0.035	0.104	0.052	0	0	0	---	---	0.024	1930
MEAN	---	---	0	0	0.035	0.059	0.014	0	0	0	---	---	0.013	MEAN

LOCATION - LAT 49 30 20 N LONG 109 14 50 W REGULATED

CATON DITCH NEAR RAVENSCRAG - STATION NO. 11AC035

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0 ON AUG 25 *	---	1919
1920	---	0.096 ON JUN 18	0 ON MAR 01	465	1920
1921	---	0.057 ON JUN 16	0 ON MAR 01	96.9	1921
1922	---	0.252 ON MAY 23 *	0 ON MAR 01	696	1922
1923	---	0.218 ON MAY 11	0 ON MAR 01	462	1923
1924	---	0.093 ON MAY 14	0 ON MAR 01	107	1924
1925	---	0.139 ON JUN 10	0 ON MAR 01	307	1925
1926	---	0.096 ON MAY 27	0 ON MAR 01	152	1926
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0.142 ON JUN 02	0 ON MAR 01	320	1929
1930	---	0.150 ON MAY 26	0 ON MAR 01	501	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		282	MEAN

CHIPMAN RIVER ABOVE BLACK LAKE - STATION NO. 07LC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	4.72	---	---	1973
1974	---	---	---	---	---	---	---	16.1	11.6	8.48	7.39	---	---	1974
1975	---	---	---	---	---	---	18.0	13.4	9.00	7.03	7.31	7.41R	---	1975
1976	7.11	6.86	6.38	7.13	27.5	31.7	22.2	14.3	11.3	10.1	9.29	9.46	13.6	1976
1977	7.39	7.01	6.33	6.57	13.6	34.1	41.1	35.1	32.2	28.0	22.6	17.0	21.0	1977
1978	13.1	9.94	7.79	6.82	14.6	23.3	16.3	14.1	12.3	12.3	11.1	9.60	12.6	1978
1979	7.81	6.22	5.45	4.88	7.09	17.3	16.4	10.4	7.00	6.56	6.11	5.31	8.39	1979
1980	4.81	4.45	4.13	4.36	6.40	10.6	12.2	9.19	6.28	5.75	5.74	5.73	6.65	1980
1981	5.24	4.65	4.42	4.40	8.94	11.9	12.6	11.5	9.48	8.36	7.55	7.52	8.23	1981
1982	6.50	5.38	4.95	4.87	14.1	24.6	22.8	17.5	17.2	15.0	11.1	9.87	12.9	1982
1983	8.49	7.02	6.09	5.73	6.79	14.3	19.5	17.0	15.0	13.2	12.1	10.3	11.3	1983
1984	8.46	7.31	6.48	9.12	22.1	22.0	21.0	20.5	17.7	15.1	12.8	11.3	14.5	1984
1985	9.42	7.93	7.54	7.85	21.5	20.6	13.4	9.77	9.96	9.90	9.47	8.13	11.3	1985
1986	7.03	6.58	5.92	5.49	15.6	32.8	30.4	23.9	22.6	15.7	11.5	9.46	15.6	1986
1987	6.74	6.44	5.96	6.14	16.0	19.4	16.8	11.2	9.82	6.51	6.22	6.30	9.75	1987
1988	6.90	5.33	4.77	4.82	8.45	25.2	31.6	25.1	17.9	14.4	12.3	12.3	14.0	1988
1989	10.3	8.64	6.89	5.67	---	---	28.7	17.1	15.5	16.7	17.9	16.4	---	1989
1990	13.5	10.2	7.86	6.12	7.12	11.5	16.9	18.0	14.8	12.6	12.3	12.9	12.0	1990
MEAN	8.19	6.93	6.06	6.00	13.6	21.5	21.2	16.7	14.0	12.1	10.4	9.87R	12.3 R	MEAN

LOCATION - LAT 59 19 10 N, LONG 105 18 10 W DRAINAGE AREA, 6 580 km^2, NATURAL FLOW

R - REVISED SINCE JAN 01 1989

CHIPMAN RIVER ABOVE BLACK LAKE - STATION NO. 07LC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	37.9 AT 21:04 CST ON MAY 25	37.7 ON MAY 25	---	---	1976
1977	43.6 AT 15:45 CST ON JUL 05 *	43.0 ON JUN 30 *	5.75 ON APR 11	429 000	1977
1978	---	25.3E ON JUN 07	6.51 ON APR 23	662 000	1978
1979	20.2 AT 00:48 CST ON JUN 22	20.1 ON JUN 21	4.77 ON APR 13	398 000	1979
1980	12.8 AT 23:25 CST ON JUN 28	12.8 ON JUN 28	3.80 ON APR 15 *	265 000	1980
1981	14.6 AT 01:52 CST ON JUN 09	14.5 ON JUN 08	4.33 ON APR 02	210 000	1981
1982	25.8 AT 15:21 CST ON JUN 22	25.5 ON JUN 14	4.77 ON APR 26	260 000	1982
1983	---	21.0E ON JUN 30	5.44 ON APR 16	405 000	1983
1984	---	25.0E ON MAY 01	6.15E ON APR 05	355 000	1984
1985	26.3 AT 23:02 CST ON MAY 22	26.1 ON MAY 23	7.17 ON MAY 02	459 000	1985
1986	---	36.2E ON JUN 04	5.27E ON MAY 02	357 000	1986
1987	20.6 AT 01:09 CST ON JUN 24	20.4 ON JUN 23	5.63 ON APR 11	493 000	1987
1988	34.6 AT 02:07 CST ON JUL 22	34.3 ON JUL 12	4.65 ON MAR 30	307 000	1988
1989	---	---	---	444 000	1989
1990	19.7 AT 19:10 CST ON JUL 27	19.5 ON JUL 27	5.60 ON MAY 02	---	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		379 000	1990
				387 000	MEAN

CHURCHILL RIVER ABOVE DIPPER RAPIDS - STATION NO. 06BB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	177	129	110	101	90.8	---	1967
1968	84.0	79.5	75.3	77.8	93.4	93.0	80.1	72.0	72.3	89.1	93.4	87.8	83.1	1968
1969	82.4	76.5	69.7	95.4	136	143	125	114	104	113	105	88.7	105	1969
1970	77.0	69.9	84.6	94.1	134	---	---	---	---	---	---	---	---	1970
1971	---	---	---	---	---	244	252	243	216	189	---	---	---	1971
MEAN	81.1	75.3	76.5	89.1	121	160	152	152	130	125	99.8	89.1	94.1	MEAN

LOCATION - LAT 55 57 40 N, LONG 107 26 20 W DRAINAGE AREA, 85 000 km^2, NATURAL FLOW

CHURCHILL RIVER ABOVE DIPPER RAPIDS - STATION NO. 06BB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	147 AT 17:00 CST ON JUN 10 *	103B ON NOV 12 146 ON JUN 05 *	69.7 ON APR 02 63.4 ON APR 09 *	2 630 000 3 300 000	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 970 000	MEAN

CHURCHILL RIVER ABOVE MAPLE LEAF RAPIDS - STATION NO. 06EA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	---	---	713R	628R	710R	712R	745R	---	1986
1987	721	744	729	751	738	718	724	696	695	697	722	737	722	1987
1988	739	729	709	612	607	645	489	674	700	607	586	583	646	1988
1989	597	648	632	540	652	564	678	656	617	669	646	693	633	1989
MEAN	686	707	690	634	692	642	630	685R	660R	671R	667R	690R	667R	MEAN

LOCATION - LAT 55 30 16 N
LONG 102 13 03 W
DRAINAGE AREA, 212 000 km²
REGULATED SINCE 1928

R - REVISED SINCE JAN 01 1989

CHURCHILL RIVER ABOVE MAPLE LEAF RAPIDS - STATION NO. 06EA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	---	---	---	---	1986
1987	839 AT 09:31 CST ON APR 29 *	836 ON APR 29 *	651 ON OCT 02	22 800 000	1987
1988	770 AT 17:59 CST ON JAN 25	769 ON JAN 25	370 ON JUL 21 *	20 400 000	1988
1989	---	830E ON JUL 24	486 ON JUN 16	20 000 000	1989
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		21 100 000	MEAN

CHURCHILL RIVER ABOVE OTTER RAPIDS - STATION NO. 06CD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	---	---	---	---	---	315	265	223	---	1963
1964	183	167	164	163	240	308	252	225	264	349	351	290	247	1964
1965	245	215	197	192	327	438	467	484	491	495	461	409	369	1965
1966	373R	328	301	290	297	353	380	346	298	269	247	226	309 R	1966
1967	210	200	192	183	211	344	398	390	333	292	206	178	259	1967
1968	163	145	132	129	150	169	172	149	139	137	145	148	148	1968
1969	147	145	133	147	234	239	210	209	191	236	232	204	194	1969
1970	183	165	155	147	205	265	535	522	537	486	470	445	344	1970
1971	382	340	309	316	356	381	430	454	394	330	292	262	354	1971
1972	240	228	208	202	369	446	380	329	283	308	313	276	299	1972
1973	212	209	196	191	246	353	484	543	493	469	483	474	366	1973
1974	442	400	370	370	622	790	864	883	761	689	604	524	611	1974
1975	472	421	368	349	412	460	493	505	495	476	444	395	441	1975
1976	352	313R	288	280	290	294	446	532	474	428	395	345	370 R	1976
1977	288	256	234	238	427	420	411	381	341	321	310	266	317	1977
1978	233	210	197	189	354	501	469	377	322	374	362	321	327	1978
1979	278	244	227	221	279	428	449	405	380	386	388	361	338	1979
1980	309	271	247	236	258	230	214	211	226	282	302	272	255	1980
1981	228	206	196	206	265	296	257	211	169	144	134	126	203	1981
1982	141	106	93.3	98.4	171	298	301	296	273	225	194	171	195	1982
1983	155	146	139	130	161	287	313	255	202	178	168	155	192	1983
1984	139	131	123	133	174	236	235	216	181	168	166	169	173	1984
1985	167	157	143	152	307	412	477	385	306	255	226	198	266	1985
1986	179	165	154	147	243	177	384	455	389	321	275	240	279	1986
1987	219	210	202	227	385	426	383	320	260	214	187	169	267	1987
1988	164	141	136	246	160	190	212	221	215	200	198	190	180	1988
1989	179	166	158	156	201	273	313	264	214	194	194	187	209	1989
1990	183	176	167	164	249	311	283	230	191	164	152	143	201	1990
MEAN	239R	217R	201	200	276	353	378	363	328	309	292	263	286 R	MEAN

LOCATION - LAT 55 30 47 N
LONG 104 44 05 W
DRAINAGE AREA, 119 000 km²
NATURAL FLOW

R - REVISED SINCE JAN 01 1989

CHURCHILL RIVER ABOVE OTTER RAPIDS - STATION NO. 06CD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	---	368 ON OCT 29	160 E ON APR 23	7 800 000	1964
1965	---	498E ON OCT 09	187 ON MAR 26	11 600 000	1965
1966	442 AT 01:00 CST ON JAN 01	396 ON JUN 25	214 ON DEC 31	9 740 000	1966
1967	---	419 ON JUL 24	171 E ON DEC 27	8 170 000	1967
1968	181 AT 15:30 CST ON JUL 14	180 ON JUL 14	122 E ON APR 10	4 680 000	1968
1969	251 AT 01:30 CST ON OCT 27	251 ON OCT 26	131 ON MAR 27	6 120 000	1969
1970	578 AT 17:26 CST ON JUL 15	578 ON JUL 15	144 ON APR 12	10 900 000	1970
1971	473 AT 15:40 CST ON JUL 26	470 ON JUL 26	257 ON DEC 30	11 200 000	1971
1972	467 AT 00:04 CST ON JUN 05	464 ON JUN 01	195 ON APR 02	9 450 000	1972
1973	564 AT 10:54 CST ON AUG 04	561 ON AUG 03	187 ON APR 09	11 500 000	1973
1974	932 AT 21:50 CST ON JUL 30 *	926 ON JUL 26 *	351 ON MAR 29	19 300 000	1974
1975	561 AT 01:13 CST ON JAN 07	513 ON AUG 11	340 ON APR 03	13 900 000	1975
1976	589 AT 00:12 CST ON JUL 29	589 ON JUL 28	279 E ON APR 04	11 700 000	1976
1977	442 AT 09:07 CST ON JUN 10	439 ON JUN 09	221 ON APR 12	10 000 000	1977
1978	524 AT 23:24 CST ON JUN 30	521 ON JUL 01	181 E ON APR 10	10 300 000	1978
1979	459 AT 11:41 CST ON JUL 13	457 ON JUL 15	214 ON APR 06	10 700 000	1979
1980	330 AT 00:01 CST ON JAN 01	328 ON JAN 01	206 ON AUG 06	8 060 000	1980
1981	---	301A ON JUN 02	123 ON DEC 29	6 410 000	1981
1982	324 AT 17:28 CST ON JUN 23	323 ON JUN 23	88.5B ON APR 02 *	6 160 000	1982
1983	343 AT 09:35 CST ON JUN 29	342 ON JUN 28	135 E ON APR 04	6 040 000	1983
1984	252 AT 06:26 CST ON JUN 26	252 ON JUN 25	121 ON APR 02	5 460 000	1984
1985	503 AT 19:52 CST ON JUL 08	501 ON JUL 08	139 ON MAR 20	8 400 000	1985
1986	469 AT 08:00 CST ON AUG 12	469 ON AUG 12	149 ON MAR 25	8 790 000	1986
1987	441 AT 18:39 CST ON JUN 13	439 ON JUN 13	162 ON DEC 30	8 410 000	1987
1988	226 AT 17:14 CST ON AUG 10	225 ON AUG 07	134 ON MAR 21	5 700 000	1988
1989	321 AT 21:50 CST ON JUL 24	320 ON JUL 21	152 ON APR 11	6 580 000	1989
1990	323 AT 04:49 CST ON JUN 13	322 ON JUN 13	138 ON DEC 22	6 340 000	1990
				9 020 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHURCHILL RIVER ABOVE WINTEGO RAPIDS - STATION NO. 06EA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	---	---	---	616	---	---	---	---	1986
1987	758	786	718	690	661	760	725	707	704	690	767	770	727	1987
1988	774	742	705	581	599	637	529	710	701	616	605	606	650	1988
1989	639	693	651	561	630	546	673	619	636	639	685	739	643	1989
1990	756	740	761	641	596	568	619	589	536	490	520	653	622	1990
MEAN	732	740	709	618	622	628	637	656	639	609	644	692	661	MEAN

LOCATION - LAT 55 34 30 N
LONG 102 49 48 W
DRAINAGE AREA 210 000 km²
REGULATED SINCE 1929

CHURCHILL RIVER ABOVE WINTEGO RAPIDS - STATION NO. 06EA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	---	---	---	---	1986
1987	---	851 ON FEB 19 *	600E ON APR 26	22 900 000	1987
1988	---	790A ON JAN 08	428 ON JUL 15 *	20 600 000	1988
1989	784 AT 16:06 CST ON DEC 24 *	780A ON DEC 20	504E ON AUG 20	20 300 000	1989
1990	---	782E ON MAR 09	458 ON NOV 07	19 600 000	1990
				20 900 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHURCHILL RIVER AT SANDY BAY - STATION NO. 06EA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	---	---	---	---	---	394	377	351	---	1928
1929	310	306	331	298	309	378	587	666	654	645	598	607	475	1929
1930	522	529	519	510	628	785	764	594	598	593	574	569	599	1930
1931	552	535	503	576	733	822	937	955	966	994	943	859	783	1931
1932	798	718	653	645	862	1 160	1 280	1 540	1 620	1 380	1 120	925	1 060	1932
1933	790	722	708	674	1 010	1 210	1 250	1 270	1 120	985	882	792	953	1933
1934	753	714	670	657	1 230	1 490	1 460	1 320	1 150	1 070	1 010	898	1 040	1934
1935	815	762	681	690	912	1 010	925	897	856	804	760	694	817	1935
1936	636	583	558	543	676	742	787	752	697	636	587	539	645	1936
1937	496	448	418	422	470	472	460	414	353	292	298	287	402	1937
1938	282	274	269	278	371	413	387	318	293	321	329	340	323	1938
1939	343	319	309	312	437	612	670	684	685	594	584	552	510	1939
1940	497	497	430	397	442	465	428	337	310	302	345	308	396	1940
1941	312	310	309	309	314	313	306	324	314	329	331	334	317	1941
1942	349	336	334	350	388	416	391	356	357	402	405	395	373	1942
1943	397	404	405	413	410	390	394	406	397	432	415	398	405	1943
1944	403	401	399	386	380	341	366	340	389	558	552	542	421	1944
1945	527	506	469	468	566	610	612	549	517	703	708	643	574	1945
1946	589	540	515	550	706	753	761	851	1 160	684	457	468	669	1946
1947	452	444	430	418	667	1 160	1 310	881	698	574	711	786	713	1947
1948	815	749	714	694	880	1 040	1 190	1 050	760	700	636	607	820	1948
1949	557	534	522	528	642	967	1 400	1 510	1 390	1 010	835	755	889	1949
1950	701	650	618	605	652	843	814	775	712	579	529	558	670	1950
1951	541	527	516	515	688	847	886	938	883	757	670	622	700	1951
1952	580	604	576	553	523	559	567	523	531	512	577	534	553	1952
1953	523	533	519	534	578	562	567	549	536	548	603	589	553	1953
1954	561	545	527	514	578	711	822	1 240	1 290	954	870	792	785	1954
1955	666	635	664	738	966	952	919	791	700	780	820	778	785	1955
1956	742	706	677	667	647	561	524	532	528	511	520	519	594	1956
1957	532	537	521	501	628	664	657	640	611	599	579	625	592	1957
1958	616	590	579	677	783	839	824	740	751	732	713	685	711	1958
1959	637	603	597	617	773	1 130	1 230	1 040	949	903	714	690	824	1959
1960	651	649	626	567	727	1 300	1 510	1 280	1 130	998	822	756	918	1960
1961	656	699	705	712	928	1 030	778	684	641	656	638	653	731	1961
1962	661	670	650	650	986	993	887	838	798	741	679	684	770	1962
1963	702	756	735	743	767	764	1 080	778	849	784	730	692	782	1963
1964	701	685	682	676	767	709	584	656	857	893	868	797	739	1964
1965	726	705	708	700	829	901	891	904	899	895	860	798	819	1965
1966	753	725	783	748	707	823	826	723	622	650	591	569	710	1966
1967	629	651	629	616	651	757	829	810	634	586	665	668	677	1967
1968	703	725	709	675	695	633	608	602	613	635	619	654	656	1968
1969	677	672	641	711	631	645	586	601	600	670	650	665	652	1969
1970	659	650	637	642	652	658	890	738	750	657	671	664	689	1970
1971	652	496	427	429	510	583	822	1 140	979	887	793	800	712	1971
1972	797	800	773	792	962	957	833	753	716	773	759	752	806	1972
1973	761	737	741	728	770	772	747	860	804	757	761	767	767	1973
1974	707	730	771	853	1 030	1 210	1 310	1 300	1 240	1 070	976	902	1 010	1974
1975	845	937	947	986	1 050	1 030	1 000	1 070	1 060	967	871	866	969	1975
1976	854	807	790	757	611	689	910	1 090	1 200	1 200	967	891	898	1976
1977	870	896	843	864	830	1 250	1 430	1 350	1 120	825	794	814	991	1977
1978	877	859	807	763	768	900	804	773	799	1 140	959	938	865	1978
1979	892	926	890	832	867	898	750	652	682	847	871	867	831	1979
1980	867	886	854	843	672	692	687	731	717	742	759	826	773	1980
1981	819	783	748	696	700	647	583	582	627	645	652	617	674	1981
1982	623	587	556	480	513	623	467	480	496	448	603	703	548	1982
1983	694	671	643	619	491	545	542	457	745	699	704	704	626	1983
1984	722	740	713	741	628	720	696	570	542	605	662	705	670	1984
1985	742	718	666	606	758	732	782	647	603	549	634	687	677	1985
1986	744	749	732	681	747	653	641	716	599	705	720	771	705	1986
1987	739	775	753	789	752	725	731	696	696	690	724	751	735	1987
1988	771	749	730	616	681	634	505	676	702	607	586	583	653	1988
1989	598	649	637	557	647	564	674	655	612	658	644	703	633	1989
1990	723	672	736	665	663	582	604	575	332	478	499	611	612	1990
MEAN	647	634	616	609	691	772	798	777	754	710	679	665	698	MEAN

LOCATION - LAT 55 31 24 N DRAINAGE AREA, 212 000 km²
LONG 102 19 06 W REGULATED SINCE 1928

REMARKS - PRIOR TO 1975 RECORDS COLLECTED BY CHURCHILL RIVER POWER COMPANY

CHURCHILL RIVER AT SANDY BAY - STATION NO. 06EA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1928	---	---	---	---	1928
1929	---	680 ON JUL 31	292B ON APR 01	15 000 000	1929
1930	---	867 ON AUG 05	0 ON MAY 17 *	18 900 000	1930
1931	---	1 030 ON SEP 29	487B ON MAR 31	24 700 000	1931
1932	---	1 700 ON SEP 09 *	589 ON APR 04	33 500 000	1932
1933	---	1 310 ON AUG 09	648 ON APR 17	30 100 000	1933
1934	---	1 590 ON JUN 29	643 ON MAR 18	32 700 000	1934
1935	---	1 040 ON JUN 08	640 ON APR 07	25 800 000	1935
1936	---	804 ON JUL 05	524 ON DEC 07	20 400 000	1936
1937	---	524 ON JAN 01	264 ON DEC 05	12 700 000	1937
1938	---	464 ON JUN 24	249 ON SEP 18	10 200 000	1938
1939	---	745 ON SEP 01	286 ON APR 23	16 100 000	1939
1940	---	527 ON FEB 06	277 ON OCT 13	12 500 000	1940
1941	---	374 ON AUG 16	289 ON MAY 27	10 000 000	1941
1942	---	439 ON NOV 06	323 ON JAN 01	11 800 000	1942
1943	---	481 ON JUN 25	326 ON AUG 13	12 800 000	1943
1944	---	637 ON OCT 17	311 ON AUG 24	13 300 000	1944
1945	---	762 ON OCT 24	430 ON MAR 31	18 100 000	1945
1946	---	1 210 ON SEP 06	394 ON DEC 01	21 100 000	1946
1947	---	1 360 ON JUL 04	413 ON APR 06	22 500 000	1947
1948	---	1 230 ON JUN 28	586 ON DEC 26	25 900 000	1948
1949	---	1 550 ON JUL 20	496 ON MAR 27	28 000 000	1949
1950	---	872 ON JUN 20	504 ON NOV 25	21 100 000	1950
1951	---	988 ON AUG 07	498 ON MAR 24	22 100 000	1951
1952	---	623 ON FEB 16	476 ON OCT 22	17 500 000	1952
1953	---	646 ON JUN 27	484 ON MAR 15	17 500 000	1953
1954	---	1 440 ON SEP 11	462 ON MAY 07	24 800 000	1954
1955	---	1 120 ON MAY 13	597 ON FEB 28	24 800 000	1955
1956	---	787 ON JAN 01	433 ON SEP 03	18 800 000	1956
1957	---	773 ON MAY 30	430 ON APR 20	18 700 000	1957
1958	---	872 ON JUN 06	558 ON MAR 17	22 400 000	1958
1959	---	1 390 ON JUN 27	575 ON MAR 08	26 000 000	1959
1960	---	1 600 ON JUL 13	476 ON APR 24	29 000 000	1960
1961	---	1 070 ON JUN 08	561 ON DEC 04	23 100 000	1961
1962	---	1 180 ON MAY 19	617 ON APR 09	24 300 000	1962
1963	---	1 270 ON JUL 17	631 ON DEC 15	24 700 000	1963
1964	---	994 ON SEP 19	513 ON JUL 20	23 400 000	1964
1965	---	946 ON JUN 07	654 ON APR 25	25 800 000	1965
1966	---	949 ON JUN 17	549 ON DEC 04	22 400 000	1966
1967	---	886 ON JUL 21	532 ON OCT 09	21 400 000	1967
1968	---	779 ON MAY 03	555 ON NOV 11	20 700 000	1968
1969	---	793 ON APR 25	515 ON JUL 27	20 600 000	1969
1970	---	988 ON JUL 08	586 ON MAR 08	21 700 000	1970
1971	---	1 250 ON JUL 30	394 ON MAR 15	22 400 000	1971
1972	---	1 120 ON MAY 29	665 ON SEP 09	25 500 000	1972
1973	---	900 ON AUG 10	665 ON JUL 02	24 200 000	1973
1974	---	1 390 ON JUL 13	674 ON JAN 19	31 800 000	1974
1975	---	1 190 ON MAY 29	799 ON JAN 22	30 600 000	1975
1976	1 300 AT 18:30 CST ON SEP 17	1 300 ON SEP 17	589 ON MAY 24	28 400 000	1976
1977	1 460 AT 19:27 CST ON JUL 11 *	1 460 ON JUL 07	731 ON MAY 14	31 200 000	1977
1978	1 210 AT 15:20 CST ON OCT 20	1 210 ON OCT 16	708 ON SEP 16	27 300 000	1978
1979	1 020 AT 14:07 CST ON DEC 24	1 010 ON DEC 24	603 ON SEP 01	26 200 000	1979
1980	932 AT 10:04 CST ON FEB 27	927 ON FEB 26	616E ON MAY 17	24 400 000	1980
1981	861 AT 19:26 CST ON JAN 16	860 ON JAN 16	541 ON AUG 03	21 300 000	1981
1982	---	730 ON DEC 25	396A ON OCT 02	17 300 000	1982
1983	1 000 AT 13:51 CST ON SEP 23	996 ON SEP 23	362 ON AUG 22	19 700 000	1983
1984	828 AT 10:59 CST ON APR 15	822 ON APR 15	496 ON OCT 05	21 200 000	1984
1985	895 AT 08:05 CST ON JUL 04	892 ON JUL 04	493 ON OCT 14	21 400 000	1985
1986	877 AT 07:57 CST ON MAY 28	873 ON MAY 24	528 ON JUL 15	22 200 000	1986
1987	948 AT 07:35 CST ON APR 29	925 ON APR 29	618 ON OCT 02	23 200 000	1987
1988	823 AT 15:47 CST ON JAN 25	820 ON JAN 25	376 ON JUL 20	20 600 000	1988
1989	874 AT 09:00 CST ON JUL 24	826 ON JUL 24	499 ON JUN 18	20 000 000	1989
1990	760 AT 09:24 CST ON MAR 14	760 ON MAR 14	427 ON OCT 29	19 300 000	1990
				22 000 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHURCHILL RIVER BELOW TRADE LAKE - STATION NO. 06CD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	185	188	179	172	180	183	187	---	1968
1969	---	---	---	---	220	243	215	209	216	243	238	203	---	1969
1970	---	---	---	170	198	---	---	---	662	583	---	---	---	1970
MEAN	---	---	---	170	209	214	202	194	350	337	211	195	---	MEAN

LOCATION - LAT 55 27 10 N
LONG 103 26 40 W
DRAINAGE AREA, 140 000 km^2
NATURAL FLOW

CHURCHILL RIVER BELOW TRADE LAKE - STATION NO. 06CD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
				---	MEAN

CHURCHILL RIVER NEAR PATUANAK - STATION NO. 06BB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	104	101	97.3	---	1972
1973	95.0	92.1	88.5	90.1	109	129	183	199	215	232	218	220	156	1973
1974	225	209	188	192	448	577	569	501	465	429	357	304	373	1974
1975	253	222	193	165	234	262	290	301	293	271	246	221	246	1975
1976	195	181	164	162	173	169	187	202	193	180	164	147	176	1976
1977	133	123	114	115	137	177	179	172	152	146	136	128	143	1977
1978	120	110	101	101	153	207	196	162	148	151	144	135	144	1978
1979	123	116	112	109	137	190	203	178	174	178	169	153	154	1979
1980	140	127	113	110	117	107	94.9	90.4	103	124	124	119	114	1980
1981	120	113	106	107	116	112	102	90.8	74.6	82.1	85.2	83.2	92.5	1981
1982	81.3	80.4	87.4	85.9	74.2	102	99.9	93.2	79.0	70.3	66.4	65.0	70.5	1982
1983	65.4	63.9	62.4	65.0	75.8	81.5	84.6	77.5	71.3	61.8	61.1	61.8	69.4	1983
1984	59.0	56.5	53.3	58.8	74.9	114	115	102	84.8	81.3	83.8	84.2	80.7	1984
1985	80.4	76.0	71.1	76.6	143	187	180	156	133	117	110	102	120	1985
1986	94.9	87.6	80.6	83.2	109	130	139	162	147	136	126	121	118	1986
1987	116	110	104	113	160	175	155	135	111	97.1	83.8	78.9	120	1987
1988	74.1	73.7	70.0	70.2	77.1	91.2	97.0	102	112	105	105	102	89.9	1988
1989	98.0	93.6	88.3	84.7	97.5	111	113	98.6	91.1	91.1	93.2	92.6	96.1	1989
1990	90.5	88.3	82.9	85.6	126	144	131	105	86.1	76.5	72.0	68.5	96.4	1990
MEAN	119	111	102	102	142	170	173	163	152	143	132	124	137	MEAN

LOCATION - LAT 55 55 30 N
LONG 107 43 40 W
DRAINAGE AREA, 78 700 km²
NATURAL FLOW

CHURCHILL RIVER NEAR PATUANAK - STATION NO. 06BB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	254 AT 20:55 CST ON OCT 14	243 ON OCT 15	85.2 ON APR 09	4 930 000	1973
1974	680 AT 00:14 CST ON JUN 25 *	614 ON MAY 29 *	175 ON APR 10	11 800 000	1974
1975	345 AT 00:15 CST ON JUL 04	311 ON AUG 09	160 E ON APR 15	7 760 000	1975
1976	226 AT 09:54 CST ON JUL 27	216 ON JUL 27	140 ON DEC 31	5 580 000	1976
1977	207 AT 02:02 CST ON JUN 26	190 ON JUL 19	108 ON APR 08	4 500 000	1977
1978	215 AT 23:45 CST ON JUN 26	210 ON JUN 16	97.4 ON APR 07	4 550 000	1978
1979	237 AT 12:03 CST ON JUL 07	213 ON JUN 25	107 E ON APR 14	4 850 000	1979
1980	158 AT 09:39 CST ON OCT 30	145 ON JAN 01	87.0A ON AUG 27	3 610 000	1980
1981	131 AT 17:55 CST ON JUL 08	122 ON JAN 05	50.0E ON DEC 31	2 920 000	1981
1982	137 AT 16:59 CST ON JUL 22	108 ON JUN 23	43.0 ON APR 10 *	2 220 000	1982
1983	104 AT 16:36 CST ON SEP 18	93.4 ON SEP 18	53.7 ON NOV 02	2 190 000	1983
1984	147 AT 15:10 CST ON JUN 30	126 ON JUN 30	52.2 ON MAR 28	2 550 000	1984
1985	---	197 ON JUN 17	67.8 ON APR 08	3 770 000	1985
1986	184 AT 20:57 CST ON AUG 15	169 ON AUG 13	77.1 ON APR 03	3 730 000	1986
1987	---	187 ON JUN 13	76.5 ON DEC 31	3 790 000	1987
1988	136A AT 22:05 CST ON SEP 08	131 A ON SEP 08	67.1 ON MAR 26	2 840 000	1988
1989	133 AT 10:13 CST ON JUL 22	118 ON JUL 04	81.7 ON SEP 30	3 030 000	1989
1990	159 AT 15:00 CST ON JUN 17	149 ON JUN 15	66.7E ON DEC 31	3 040 000	1990
				4 310 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLARKE AND THOMPSON DITCH NEAR EASTEND - STATION NO. 11AC036

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0	0	0	0	0	---	---	---	1912
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 32 10 N
LONG 108 48 40 W
REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1912-22

CLARKE AND THOMPSON DITCH NEAR EASTEND - STATION NO. 11AC036

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	---	---	---	1912
				---	MEAN

CLEARWATER RIVER AT OUTLET OF LLOYD LAKE - STATION NO. 07CD006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	21.0	18.4	---	1973
1974	15.6	13.8	12.5	15.7	41.5	42.0	38.8	34.7	29.6	28.7	25.5	21.0	26.7	1974
1975	19.7	16.2	14.6	16.2	37.0	36.9	34.8	30.1	29.2	32.1	29.4	25.4	26.9	1975
1976	21.2	18.0	16.4	25.4	36.4	32.3	25.4	24.2	27.2	26.4	25.1	20.8	25.0	1976
1977	17.6	15.7	15.9	21.7	35.4	36.9	36.1	31.6	28.3	28.3	22.2	17.3	25.6	1977
1978	15.5	14.3	13.6	16.2	31.3	31.0	30.7	23.7	25.9	33.6	27.8	22.1	24.0	1978
1979	21.8	20.1	19.1	19.3	34.8	40.3	31.5	24.5	24.2	27.1	24.8	23.1	25.9	1979
1980	19.9	18.0	17.3	21.6	27.6	20.7	17.1	15.8	15.8	18.3	16.2	14.8	18.6	1980
1981	13.3	13.2	13.8	16.9	28.7	25.3	19.1	14.7	17.2	23.3	20.4	17.4	16.1	1981
1982	11.6	9.05	8.15	9.09	28.6	32.6	24.0	22.6	21.4	26.5	18.2	17.6	18.6	1982
1983	16.4	15.9	16.2	19.4	32.6	32.0	25.0	20.1	20.3	27.8	21.1	18.4	21.6	1983
1984	16.5	15.8	16.3	22.9	27.9	24.8	22.0	20.9	21.2	22.7	21.2	19.6	21.0	1984
1985	16.6	14.5	14.1	18.5	41.0	35.9	27.7	21.8	20.7	22.9	22.9	20.2	23.1	1985
1986	18.2	17.2	16.6	20.1	37.0	33.2	32.8	25.3	28.7	24.9	21.9	20.2	25.6	1986
1987	19.6	19.5	18.9	24.5	39.5	33.7	24.4	21.2	19.2	18.7	17.8	17.8	22.9	1987
1988	16.3	14.8	14.8	17.4	34.2	35.2	33.6	30.5	28.9	26.5	23.9	23.7	25.0	1988
1989	20.9	18.7	16.8	17.2	34.2	36.0	34.2	26.4	24.1	26.9	23.7	24.4	25.3	1989
1990	22.8	21.4	20.4	22.7	38.5	34.5	27.6	18.8	16.0	16.9	16.4	16.5	22.7	1990
MEAN	17.9	16.2	15.6	19.1	34.6	33.1	28.5	24.5	23.0	24.1	21.7	19.7	23.2	MEAN

LOCATION - LAT 57 19 50 N DRAINAGE AREA, 4 250 km²
LONG 108 45 50 W NATURAL FLOW

CLEARWATER RIVER AT OUTLET OF LLOYD LAKE - STATION NO. 07CD006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	51.0 ON JUN *	43.6 ON JUN 18	12.1 ON MAR 31	842 000	1974
1975	42.8 AT 17:40 CST ON MAY 25	40.5 ON MAY 25	13.6 ON APR 08	847 000	1975
1976	45.3 AT 17:07 CST ON MAY 03	40.2 ON MAY 09	15.5 ON MAR 30	792 000	1976
1977	43.9 AT 19:15 CST ON JUN 09	39.9 ON JUN 10	13.3 E ON MAR 01	809 000	1977
1978	41.6 AT 12:29 CST ON OCT 16	36.2 ON MAY 26	11.4 ON MAR 06	758 000	1978
1979	47.2 AT 19:33 CST ON MAY 27	44.7 ON MAY 28 *	18.3 ON APR 05	817 000	1979
1980	36.4 AT 12:35 CST ON MAY 05	33.1 ON MAY 05	13.8 ON AUG 27	588 000	1980
1981	32.2 AT 12:26 CST ON MAY 20	30.7 ON MAY 20	9.07 ON SEP 28	508 000	1981
1982	40.1 AT 14:00 CST ON MAY 24	37.1 ON MAY 31	7.86 ON MAR 26 *	588 000	1982
1983	37.6 AT 19:35 CST ON MAY 21	34.9 ON MAY 22	15.6 ON FEB 05	602 000	1983
1984	33.1 AT 18:51 CST ON JUN 01	29.6 ON MAY 22	15.6 E ON FEB 15	663 000	1984
1985	---	42.5E ON MAY 09	13.9 ON MAR 02	729 000	1985
1986	45.9 AT 18:02 CST ON JUN 02	41.2 ON JUN 02	15.8 ON MAR 24	808 000	1986
1987	49.7 AT 11:58 CST ON MAY 08	44.6 ON MAY 08	15.7 ON OCT 07	722 000	1987
1988	41.4 AT 02:49 CST ON MAY 18	37.9 ON MAY 17	14.3 ON FEB 10	791 000	1988
1989	43.5 AT 06:32 CST ON MAY 27	41.0 ON MAY 27	16.2 ON APR 05	799 000	1989
1990	42.2 AT 18:18 CST ON APR 22	40.1 ON MAY 22	14.7 ON SEP 12	717 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		733 000	MEAN

COLD RIVER AT OUTLET OF COLD LAKE - STATION NO. 06AF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1952	---	---	---	---	---	---	23.8	22.6	16.4	11.8	8.18	5.88	---	1952
1953	5.20	5.65	5.93	6.75	8.71	10.9	13.9	18.3	15.4	8.72	7.22	5.85	9.37	1953
1954	2.81	2.11	4.69	6.79	15.0	49.8	56.9	75.8	79.7	56.3	36.6	27.5	34.7	1954
1955	23.5	22.8	19.6	24.7	45.7	46.0	37.9	24.8	14.8	9.78	6.94	6.31	23.6	1955
1956	7.00	7.53	7.71	8.70	14.6	19.8	26.3	23.2	19.6	16.9	12.6	10.4	14.6	1956
1957	10.8	10.6	10.7	10.2	14.5	17.4	19.8	20.3	17.4	14.8	12.0	9.91	14.0	1957
1958	8.39	9.17	9.47	14.5	29.0	30.1	21.1	13.5	9.68	7.19	4.64	3.13	13.4	1958
1959	3.00	3.44	4.79	7.14	10.6	14.8	20.0	15.2	23.5	---	---	---	---	1959
MEAN	8.67	8.76	8.98	11.3	19.7	27.0	27.5	26.7	24.5	17.9	12.6	9.71	18.3	MEAN

LOCATION - LAT 54 34 00 N DRAINAGE AREA, 6 420 km²
LONG 109 50 10 W NATURAL FLOW

COLD RIVER AT OUTLET OF COLD LAKE - STATION NO. 06AF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1952	---	---	---	---	1952
1953	---	19.3 ON AUG 10	5.07B ON DEC 31	295 000	1953
1954	---	90.0 ON AUG 23 *	1.98B ON FEB 08	1 090 000	1954
1955	---	49.8 ON MAY 30	5.89B ON DEC 20	744 000	1955
1956	---	27.9 ON JUL 16	6.85B ON JAN 04	460 000	1956
1957	---	22.8 ON JUL 24	8.18B ON DEC 31	441 000	1957
1958	---	32.8 ON MAY 31	1.16B ON DEC 05 *	421 000	1958
1959	---	---	---	---	1959
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		575 000	MEAN

CONGLOMERATE CREEK AT CROSS RANCH - STATION NO. 11AC002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	0.130	0.159	---	---	---	---	1908
1909	---	---	---	---	0.739	0.527	0.444	0.212	0.247	0.286	---	---	---	1909
1910	---	---	---	0.305	0.249	0.138	0.099	0.137	0.177	0.213	---	---	0.188	1910
1911	---	---	---	---	0.374	0.190	0.225	0.194	0.305	0.272	---	---	---	1911
1912	---	---	---	---	0.289	0.215	0.168	0.178	0.210	0.235	---	---	---	1912
1913	---	---	---	2.32	0.309	0.275	0.236	0.163	0.159	0.197	---	---	0.518	1913
1914	---	---	---	1.16	0.280	0.197	0.101	0.124	0.200	0.245	---	---	0.326	1914
1915	---	---	---	---	0.258	0.307	0.245	0.214	0.223	0.277	---	---	---	1915
1916	---	---	---	0.606	0.387	0.247	0.190	0.185	0.209	0.269	---	---	0.298	1916
1917	---	---	---	---	1.11	0.192	0.117	0.135	0.185	0.286	---	---	---	1917
1918	---	---	---	1.11	0.261	0.198	0.117	0.188	0.171	0.226	---	---	0.322	1918
1919	---	---	---	0.773	0.281	0.105	0.096	0.155	0.208	0.223	---	---	0.262	1919
MEAN	---	---	---	1.05	0.414	0.236	0.185	0.168	0.204	0.257	---	---	0.319	MEAN

LOCATION - LAT 49 33 40 N LONG 108 55 30 W DRAINAGE AREA, 133 km² REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916 AND 1918

CONGLOMERATE CREEK AT CROSS RANCH - STATION NO. 11AC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	0.340 ON APR 01	0.042 ON JUL 18 *	3 480	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	6.71 ON APR 06 *	0.082 ON JUN 17	9 570	1913
1914	---	2.89 B ON APR 07	0.074 ON JUL 23	6 030	1914
1915	---	---	---	---	1915
1916	---	1.05 ON APR 07	0.136 ON JUL 02	5 510	1916
1917	---	---	---	---	1917
1918	---	3.48 ON APR 10	0.051 ON JUN 30	5 950	1918
1919	---	2.83 B ON APR 03	0.059 ON JUL 17	4 840	1919
				5 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CONJURING CREEK NEAR PRESCEVILLE - STATION NO. 05MC004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	1.03	0.146	---	---	---	---	---	---	---	---	1965
1966	---	---	---	1.84	0.791	0.080	---	---	---	---	---	---	---	1966
1967	---	---	---	0.544	1.80	---	---	---	---	---	---	---	---	1967
1969	---	---	---	0.448	0	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.49	1.75	---	---	---	---	---	---	---	---	1970
1971	---	---	---	2.62	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	1.27	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.925	0.516	---	---	---	---	---	---	---	---	1973
1974	---	---	---	2.60	3.38	0.933	---	---	---	---	---	---	---	1974
1975	---	---	0	3.69	2.22	0.154	0.018	0.008	0.008	0.008	---	---	0.756	1975
1976	---	---	0.007	3.66	0.087	0.377	0.165	0.005	0.004	0.007	---	---	0.529	1976
1977	---	---	0.008	0.626	0.034	0.011	0.005	0.007	0.005	0.006	---	---	0.086	1977
1978	---	---	0.005	0.720	0.053	0.008	0.006	0.003	0.003	0.002	---	---	0.098	1978
1979	---	---	0.007	2.91	4.16	0.093	0.007	0.005	0.004	0.012	---	---	0.899	1979
1980	---	---	0.008	0.834	0.009	0.005	0.003	0.008	0.004	0.008	---	---	0.108	1980
1981	---	---	0.208	0.249	0.013	0.019	0.008	0.007	0.007	0.029	---	---	0.067	1981
1982	---	---	0.006	0.779	0.024	0.006	0.005	0.009	0.010	0.011	---	---	0.104	1982
1983	---	---	0.004	1.40	0.398	0.168	0.250	0.040	0.006	0.009	---	---	0.282	1983
1984	---	---	0.198	0.823	0.195	0.202	0.034	0.079	0.008	0.007	---	---	0.191	1984
1985	---	---	0.006	3.83	0.268	0.014	0.011	0.008	0.005	0.006	---	---	0.509	1985
1986	---	---	0.120	1.91	0.081	0.012	0.005	0.005	0.005	0.007	---	---	0.264	1986
1987	---	---	0.004	1.34	0.006	0.008	0.006	0.002	0.003	0.008	---	---	0.169	1987
1988	---	---	0.003	1.81	0.179	0.005	0.006	0.010	0.006	0.012	---	---	0.250	1988
1989	---	---	0.003	0.066	0.009	0.007	0.009	0.009	0.005	0.005	---	---	0.014	1989
1990	---	---	0.007	1.28	0.050	0.016	0.007	0.009	0.004	0.004	---	---	0.169	1990
MEAN	---	---	0.037	1.56	0.727	0.118	0.034	0.013	0.005	0.009	---	---	0.281	MEAN

LOCATION - LAT 51 56 30 N LONG 102 43 00 W DRAINAGE AREA, 255 km² NATURAL FLOW

CONJURING CREEK NEAR PEACEVILLE - STATION NO. 05MC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	19.6 AT 11:03 CST ON APR 29 *	18.6 ON APR 29 *	0 B ON MAR 01 *	16 000	1975
1976	14.6 AT 05:44 CST ON APR 13	13.9 ON APR 13	0.003 ON JUL 29	11 200	1976
1977	5.32 AT 20:50 CST ON APR 11	3.91 ON APR 11	0.005E ON JUL 11	1 830	1977
1978	---	3.65 ON APR 19	0.001E ON AUG 20	2 080	1978
1979	19.6 AT 08:51 CST ON APR 28	18.2 ON APR 28	0.002 ON SEP 11	19 000	1979
1980	6.00 AT 18:39 CST ON APR 15	4.30 ON APR 15	0.001E ON JUN 03	2 280	1980
1981	---	1.00 B ON APR 04	0.002 ON JUL 26	1 420	1981
1982	6.91 B AT 11:25 CST ON APR 15	4.75 B ON APR 15	0.001 ON JUL 05	2 210	1982
1983	14.3 B AT 07:23 CST ON APR 24	11.2 B ON APR 24	0.001B ON APR 10	5 970	1983
1984	2.72 B AT 14:33 CST ON APR 02	2.28 B ON APR 02	0.001 ON OCT 19	4 050	1984
1985	17.3 B AT 21:52 CST ON APR 14	12.9 B ON APR 15	0.001 ON AUG 22	10 800	1985
1986	8.43 B AT 18:23 CST ON APR 02	6.93 ON APR 07	0.003B ON MAR 03	5 580	1986
1987	17.3 B AT 11:56 CST ON APR 06	10.3 B ON APR 06	0.001 ON JUL 29	5 580	1987
1988	12.2 AT 17:22 CST ON APR 07	9.44 ON APR 07	0 ON JUL 03	5 280	1988
1989	0.701 AT 18:06 CST ON AUG 05	0.291B ON APR 09	0 ON AUG 15	296	1989
1990	6.45 B AT 20:51 CST ON APR 06	4.44 B ON APR 07	0.001 ON JUN 28	3 580	1990
				5 950	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CONNELL CREEK NEAR CONNELL CREEK - STATION NO. 05KC002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	1.26	---	---	---	---	---	---	---	---	---	1967
1971	---	---	---	3.43	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1975	---	---	0	2.24	2.34	2.57	0.602	0.224	0.316	0.818	---	---	1.13	1975
1976	---	---	0.127	2.55	0.605	0.705	0.487	0.105	0.107	0.201	---	---	0.604	1976
1977	---	---	0.053	0.749	0.640	0.400	0.097	0.250	0.427	0.307	---	---	0.363	1977
1978	---	---	0.185	3.66	3.31	0.332	0.159	0.262	0.411	1.12	0.460	0.358	1.18	1978
1979	0.153	0.139	0.121	4.30	6.61	2.94	0.452	0.160	0.135	0.307	---	---	1.87	1979
1980	---	---	0.162	1.19	0.244	0.173	0.175	0.259	0.400	0.667	---	---	0.407	1980
1981	---	---	0.261	0.919	0.674	0.183	0.150	0.134	0.184	0.477	---	---	0.372	1981
1982	---	---	0.075	2.26	1.70	1.47	0.387	0.235	0.180	0.371	---	---	0.829	1982
1983	---	---	0.163	0.990	1.14	1.51	2.52	0.388	0.845	0.467	---	---	1.00	1983
1984	---	---	0.278	3.71	4.41	4.12	0.429	0.187	0.237	0.482	---	---	1.72	1984
1985	---	---	0.202	4.37	1.97	1.54	0.829	0.548	0.449	0.513	---	---	1.29	1985
MEAN	0.153	0.139	0.148	2.43	2.15	1.45	0.572	0.250	0.336	0.521	0.460	0.358	0.979	MEAN

LOCATION - LAT 53 13 13 N
LONG 103 25 30 W
DRAINAGE AREA, 354 km^2
NATURAL FLOW

CONNELL CREEK NEAR CONNELL CREEK - STATION NO. 05KC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1971	---	---	---	---	1971
1972	31.1 AT 07:00 CST ON APR 21	---	---	---	1972
1975	---	17.6 ON JUN 26	0 B ON MAR 01 *	24 000	1975
1976	---	4.67 ON APR 17	0.068 ON AUG 26	12 800	1976
1977	---	2.26 ON APR 14	0.051B ON MAR 01	7 690	1977
1978	18.3 AT 02:36 CST ON APR 19	12.7 ON MAY 06	0.091E ON AUG 15	24 900	1978
1979	38.8 AT 00:03 CST ON APR 20 *	26.2 B ON APR 19 *	0.070B ON MAR 05	39 600	1979
1980	2.90 AT 03:44 CST ON APR 18	2.45 ON APR 18	0.047 ON AUG 26	8 620	1980
1981	---	1.38 ON MAY 07	0.038 ON SEP 02	7 880	1981
1982	12.7 AT 11:46 CST ON MAY 31	11.8 ON MAY 31	0.034B ON MAR 01	17 500	1982
1983	6.99 AT 15:01 CST ON JUL 05	6.75 ON JUL 05	0.110B ON MAR 13	21 200	1983
1984	26.2 AT 00:30 CST ON MAY 20	21.4 ON MAY 20	0.095 ON JUL 31	36 400	1984
1985	11.1 AT 17:28 CST ON APR 21	10.8 ON APR 22	0.136B ON MAR 07	27 400	1985
				20 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COTTONWOOD CREEK NEAR LUMSDEN - STATION NO. 05JF011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	0	0	0	0	---	---	---	1973
1974	---	---	0	10.8	2.70	0.238	0.003	0.002	0.002	0.002	---	---	1.70	1974
1975	---	---	0	3.39	0.760	1.46	0.985	0.006	0	0	---	---	0.815	1975
1976	---	---	0.098	10.2	0.118	0.935	0.059	0	0	0	---	---	1.40	1976
1977	---	---	0	0	0.020	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.141	0.220	0.008	0	0	0	0	0	---	---	0.046	1978
1979	---	---	0	1.78	0.403	0.037	0	0	0	0	---	---	0.274	1979
1980	---	---	0.146	0.446	0	0	0	0	0	0	---	---	0.073	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	9.07	0.476	0.024	0.001	0	0	0	---	---	1.17	1982
1983	---	---	0	0.585	0.003	0.001	0.190	0.011	0	0	---	---	0.098	1983
1984	---	0.003	0.418	0.091	0	0	0	0	0	0	---	---	0.064	1984
1985	---	---	0.699	0.474	0.002	0	0	0	0	0	---	---	0.147	1985
1986	---	0.001	0.393	0.011	0.281	0	0	0	0	0	---	---	0.087	1986
1987	---	---	0.229	0.069	0	0	0	0	0	0	---	---	0.037	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.002	0.003	0	0	0	0	0	0	---	---	0.001	1989
1990	---	---	0.131	0.070	0	0	0	0	0	0	---	---	0.025	1990
MEAN	---	0.001	0.133	2.19	0.281	0.159	0.069	0.001	0	0	---	---	0.349	MEAN

LOCATION - LAT 50 35 26 N DRAINAGE AREA, 615 km²
LONG 104 54 31 W NATURAL FLOW

COTTONWOOD CREEK NEAR LUMSDEN - STATION NO. 05JF011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	0 ON JUN 08 *	---	1973
1974	64.0 AT 01:04 CST ON APR 21 *	56.6 ON APR 21 *	0B ON MAR 01	36 000	1974
1975	13.9 AT 11:40 CST ON JUN 27	11.9 B ON APR 19	0B ON MAR 01	17 300	1975
1976	60.3 AT 03:41 CST ON APR 05	48.4 ON APR 05	0B ON MAR 01	29 700	1976
1977	3.37 A AT 21:14 CST ON MAY 24	0.345A ON MAY 24	0B ON MAR 01	54.2	1977
1978	3.48 AT 13:45 CST ON MAR 31	2.10 ON MAR 31	0B ON MAR 01	970	1978
1979	13.2 AT 00:06 CST ON APR 22	10.6 ON APR 21	0B ON MAR 01	5 800	1979
1980	3.54 B AT 14:45 CST ON MAR 31	2.23 B ON MAR 31	0B ON MAR 01	1 550	1980
1981	0 B AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1981
1982	49.7 AT 07:02 CST ON APR 17	47.2 ON APR 17	0B ON MAR 01	24 900	1982
1983	7.38 AT 18:29 CST ON JUL 29	2.39 B ON APR 07	0B ON MAR 01	2 060	1983
1984	3.69 B AT 18:49 CST ON MAR 26	3.06 B ON MAR 26	0B ON MAR 01	1 360	1984
1985	5.53 AT 01:22 CST ON APR 01	4.30 ON APR 01	0B ON MAR 01	3 110	1985
1986	3.58 AT 04:38 CST ON MAY 11	2.62 ON MAY 11	0 ON APR 12	1 830	1986
1987	1.36 B AT 14:59 CST ON MAR 25	1.00 B ON MAR 25	0B ON MAR 01	792	1987
1988	---	0 ON MAR 01	0 ON MAR 01	0	1988
1989	0.145B AT 18:16 CST ON MAR 31	0.053B ON MAR 31	0B ON MAR 01	13.3	1989
1990	0.960 AT 18:05 CST ON MAR 30	0.796 ON MAR 30	0B ON MAR 01	531	1990
				7 410	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COULEE, WEST OF BOUNDARY RESERVOIR NEAR ESTEVAN - STATION NO. 05NB019

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0.014	0.170	0.018	0.020	0.003	0	0	0	---	---	0.028	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0	0	0	0	0	0	0	---	---	0	1962
1965	---	---	0	0.001	0.003	0.001	0	0	0	0	---	---	0.001	1965
1966	---	---	0.033	0.011	0	0	0	0	0	0	---	---	0.005	1966
1967	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1967
1968	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.018	0	0	0	0	0	0	---	---	0.002	1969
MEAN	---	---	0.006	0.025	0.003	0.003	0	0	0	0	---	---	0.005	MEAN

LOCATION - LAT 49 05 08 N DRAINAGE AREA, 137 km²
LONG 103 04 23 W NATURAL FLOW

COULEE, WEST OF BOUNDARY RESERVOIR NEAR ESTEVAN - STATION NO. 05NB019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	0.646 ON APR 03 *	0B ON MAR 01 *	587	1960
1961	---	0.006 ON MAR 18	0 ON MAR 01	1.04	1961
1962	---	0.006 ON MAR 27	0 ON MAR 01	1.04	1962
1965	---	0.017 ON MAY 26	0B ON MAR 01	12.3	1965
1966	---	0.377 ON MAR 16	0 ON MAR 01	116	1966
1967	---	0.003 ON MAR 30	0 ON MAR 01	2.33	1967
1968	---	0.028 ON MAR 07	0 ON MAR 01	5.18	1968
1969	---	0.218 ON APR 08	0B ON MAR 01	47.7	1969
				96.6	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COW CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AE012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	0.001	0	0	0	0	---	---	---	1975
MEAN	---	---	---	---	---	0.001	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 01 42 N DRAINAGE AREA, 135 km²
LONG 105 19 08 W NATURAL FLOW

COW CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AE012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	0.000 ON JUN 01 *	---	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CREE RIVER AT OUTLET OF WAPATA LAKE - STATION NO. 07LD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	111	102	111	87.0	74.0	---	1972
1973	71.2	69.5	75.7	119	139	111	149	132	114	105	79.0	76.8	104	1973
1974	68.5	---	---	---	---	---	147	141	137	125	97.2	92.9	---	1974
1975	90.2	77.7	76.2	104	186	152	157	139	133	127	101	83.4	119	1975
1976	78.3	75.1	76.2	143	160	135	134	150	170	171	141	106	129	1976
1977	107	116	126	157	192	197	194	181	180	164	127	105	154	1977
1978	94.5	89.7	94.2	128	188	165	142	144	151	155	111	97.1	130	1978
1979	89.4	89.3	99.0	125	191	171	144	132	135	148	128	113	131	1979
1980	104	93.6	93.8	144	137	116	117	123	115	117	91.0	87.5	110	1980
1981	76.7	79.2	93.3	108	178	135	121	109	94.7	88.8	82.6	78.4	104	1981
1982	60.2	48.0	49.3	61.9	149	138	129	138	138	121	92.4	94.1	102	1982
1983	91.1	88.0	103	121	145	153	132	127	130	126	108	88.7	118	1983
1984	82.1	81.9	85.3	136	146	146	131	121	121	114	97.8	94.1	113	1984
1985	77.8	80.2	86.1	117	223	159	146	131	143	132	109	97.0	125	1985
1986	91.1	94.2	101	127	189	155	163	163	148	135	107	112	132	1986
1987	110	108	111	137	174	139	115	106	107	102	88.9	85.2	115	1987
1988	73.0	72.6	77.7	97.8	145	146	146	138	148	134	121	115	118	1988
1989	103	99.2	97.6	111	183	170	165	148	146	142	114	109	133	1989
1990	103	101	110	129	160	145	152	125	116	114	101	105	122	1990
MEAN	87.4	86.1	91.5	122	170	149	144	135	133	128	105	94.4	121	MEAN

LOCATION - LAT 50 51 30 N DRAINAGE AREA, 20 700 km²
LONG 105 49 10 W NATURAL FLOW

CREE RIVER AT OUTLET OF WAPATA LAKE - STATION NO. 07LD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	174 AT 18:41 CST ON JUL 18	174 ON JUL 19	64.[illegible] ON FEB 25	3 270 000	1973
1974	---	---	---	---	1974
1975	212 AT 23:01 CST ON MAY 04	212 ON MAY 04	71.[illegible] ON MAR 20	3 760 000	1975
1976	213 AT 01:46 CST ON APR 27	211 ON APR 27	72.[illegible] ON JAN 25	4 090 000	1976
1977	222 AT 15:09 CST ON APR 27	220 ON APR 28	100 ON NOV 26	4 850 000	1977
1978	215 AT 21:47 CST ON MAY 06	211 ON MAY 07	82.1 ON NOV 22	4 110 000	1978
1979	224 AT 15:17 CST ON MAY 19 *	224 ON MAY 19	84.8 ON JAN 25	4 120 000	1979
1980	196 AT 19:03 CST ON APR 25	195 ON APR 25	61.6 ON DEC 31	3 480 000	1980
1981	202 AT 22:02 CST ON MAY 08	201 ON MAY 08	74.1 ON JAN 06	3 280 000	1981
1982	166 AT 17:15 CST ON MAY 08	165 ON MAY 07	47.1 ON FEB 02 *	3 220 000	1982
1983	167 AT 11:45 CST ON JUN 19	166 ON JUN 19	83.6 ON DEC 31	3 720 000	1983
1984	---	170E ON APR 21	79.2 ON FEB 01	3 570 000	1984
1985	---	249E ON MAY 09 *	75.0 ON JAN 10	3 950 000	1985
1986	216 AT 12:10 CST ON MAY 12	208 ON MAY 09	89.9 ON JAN 11	4 170 000	1986
1987	207 AT 16:12 CST ON APR 30	207 ON APR 30	75.6 ON NOV 25	3 640 000	1987
1988	158 AT 05:02 CST ON SEP 18	158 ON SEP 18	70.0 ON JAN 29	3 740 000	1988
1989	---	202E ON MAY 23	95.8 ON APR 03	4 180 000	1989
1990	178 AT 01:00 CST ON MAY 08	177 ON MAY 08	95.9 ON NOV 17	3 840 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 820 000	MEAN

CREIGHTON TRIBUTARY NEAR TOTNES - STATION NO. 05HF014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.006	0.002	0.002	0.001	0	0	0.001	0.001	---	---	0.002	1968
1969	---	---	0.001	0.180	0.001	0	0.004	0	0.007	0.005	---	---	0.024	1969
1970	---	---	0	0.313	0.002	0.004	0.004	0	0	0.001	---	---	0.040	1970
1971	---	---	0	0.157	0.001	0	0.001	0	0	0.001	---	---	0.020	1971
1972	---	---	0.007	0.011	0.001	0.001	0	0	0.001	0	---	---	0.003	1972
1973	---	---	0.034	0.005	0	0	0.001	0	0	0	---	---	0.005	1973
1974	---	---	0	0.199	0.017	0.021	0.004	0.009	0.001	0.001	---	---	0.031	1974
1975	---	---	0	0.198	0.005	0.002	0	0	0	0.001	---	---	0.025	1975
1976	---	---	0.028	0.047	0.001	0	0.003	0	0	0	---	---	0.010	1976
1977	---	---	0.002	0.004	0.018	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.022	0.017	0.006	0	0	0	0	0	---	---	0.006	1978
1979	---	---	0.000	0.022	0.001	0	0	0	0	0	---	---	0.004	1979
1980	---	---	0.009	0.004	0.001	0.001	0	0.012	0.001	0.001	---	---	0.004	1980
1981	---	0.003	0.016	0.002	0.001	0.001	0.007	0	0	0	---	---	0.003	1981
1982	---	---	0	0.130	0.005	0.001	0.073	0	0	0.001	---	---	0.026	1982
1983	---	0	0.009	0.008	0.003	0	0.002	0	0	0.001	---	---	0.003	1983
1984	---	---	0.004	0.003	0.001	0.024	0	0	0.001	0.002	---	---	0.004	1984
1985	---	---	0.119	0.138	0.002	0	0	0	0	0	---	---	0.032	1985
1986	---	0	0.010	0.001	0.011	0	0	0	0.001	0.001	---	---	0.003	1986
1987	---	---	0.012	0.005	0.001	0	0	0	0	0	---	---	0.002	1987
1988	---	0.001	0.005	0.002	0	0	0	0.032	0	0	---	---	0.005	1988
1989	---	---	0.003	0.043	0.003	0.001	0	0	0	0	---	---	0.006	1989
1990	---	---	0.013	0.002	0.001	0	0.003	0	0	0	---	---	0.003	1990
MEAN	---	0.001	0.013	0.065	0.004	0.002	0.004	0.002	0.001	0.001	---	---	0.011	MEAN

LOCATION - LAT 51 20 08 N DRAINAGE AREA, 13.2 km²
LONG 108 27 03 W NATURAL FLOW

CREIGHTON TRIBUTARY NEAR TOTNES - STATION NO. 05HF014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.034 ON MAR 05	0 ON JUN 18 *	34.2	1968
1969	4.98 AT 17:00 CST ON APR 11	1.73 B ON APR 11	0 ON JUN 05	516	1969
1970	---	2.42 B ON APR 10 *	0B ON MAR 01	838	1970
1971	2.67 AT 17:42 CST ON APR 09	1.02 ON APR 09	0B ON MAR 01	415	1971
1972	0.340 AT 09:04 CST ON APR 08	0.099B ON APR 01	0B ON MAR 01	55.5	1972
1973	0.266B AT 19:11 CST ON MAR 17	0.125B ON MAR 17	0B ON MAR 01	107	1973
1974	3.06 AT 13:27 CST ON JUN 26	1.22 ON APR 19	0B ON MAR 01	655	1974
1975	2.14 AT 18:40 CST ON APR 19	1.01 ON APR 19	0B ON MAR 01	534	1975
1976	1.15 AT 16:49 CST ON MAR 31	0.487 ON MAR 31	0B ON MAR 01	210	1976
1977	1.06 AT 16:56 CST ON MAY 19	0.258 ON MAY 19	0 ON MAR 01	63.6	1977
1978	0.997 AT 21:51 CST ON MAY 24	0.193 ON MAR 30	0B ON MAR 01	119	1978
1979	1.18 A AT 22:48 CST ON APR 18	0.224 ON APR 19	0B ON MAR 01	84.2	1979
1980	3.78 AT 20:34 CST ON AUG 15	0.194 ON AUG 15	0B ON MAR 01	78.3	1980
1981	0.982 AT 01:27 CST ON JUL 22	0.191 ON JUL 22	0 ON APR 29	70.9	1981
1982	25.9 AT 19:35 CST ON JUL 02 *	1.87 ON JUL 02	0B ON MAR 01	554	1982
1983	0.283B AT 18:02 CST ON MAR 28	0.125B ON MAR 28	0B ON MAR 01	62.2	1983
1984	4.17 AT 22:47 CST ON JUN 15	0.325 ON JUN 22	0B ON MAR 01	89.0	1984
1985	4.52 B AT 19:23 CST ON MAR 31	1.72 B ON APR 01	0B ON MAR 01	683	1985
1986	0.696 AT 07:44 CST ON MAY 22	0.222 ON MAY 22	0 ON MAY 31	65.5	1986
1987	0.121B AT 00:13 CST ON MAR 18	0.080B ON MAR 17	0B ON MAR 01	48.0	1987
1988	8.41 AT 15:21 CST ON AUG 16	0.917 ON AUG 16	0B ON MAR 26	106	1988
1989	0.774 AT 17:36 CST ON APR 04	0.280B ON APR 04	0B ON MAR 01	131	1989
1990	0.174 AT 06:57 CST ON JUL 03	0.077B ON MAR 05	0B ON MAR 23	53.4	1990
				242	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROMARTY CREEK NEAR BIRCH HILLS - STATION NO. 05HH002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0	0.028	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.107	---	---	---	---	---	---	---	---	---	1964
1965	---	---	0	0.489	---	---	---	---	---	---	---	---	---	1965
1966	---	---	0	0.594	---	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	0.036	---	---	---	---	---	---	---	---	1967
1970	---	---	---	1.13	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	0.318	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0	0.417	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	0.754	---	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.91	0.146	0.009	0	0	0	0	---	---	0.143	1975
1976	---	---	0	0.361	0	0.020	0	0	0	0	---	---	0.047	1976
1977	---	---	0	0.015	0.014	0	0	0	0	0	---	---	0.004	1977
1978	---	---	0.001	1.19	0.006	0	0	0	0	0	---	---	0.147	1978
1979	---	---	0	1.19	0.220	0.025	0	0	0	0	---	---	0.177	1979
1980	---	---	0	0.642	0	0	0	0	0	0	---	---	0.079	1980
1981	---	---	0.022	0.004	0.002	0.001	0.012	0	0	0	---	---	0.005	1981
1982	---	---	0	0.388	0	0	0	0	0	0	---	---	0.048	1982
1983	---	---	0	0.224	0.017	0	0.024	0	0	0	---	---	0.033	1983
1984	---	---	0.122	0.154	0.016	0.080	0	0	0	0	---	---	0.046	1984
1985	---	---	0	2.86	0.052	0	0	0	0	0	---	---	0.357	1985
1986	---	---	0.251	0.049	0.001	0	0	0	0	0	---	---	0.038	1986
1987	---	---	0	0.379	0.001	0	0	0	0	0	---	---	0.047	1987
1988	---	---	0	0.653	0	0	0	0	0	0	---	---	0.080	1988
1989	---	---	0	0.071	0	0	0	0	0	0	---	---	0.009	1989
1990	---	---	0.202	0.111	0.022	0.001	0	0	0	0	---	---	0.042	1990
MEAN	---	---	0.028	0.547	0.031	0.009	0.002	0	0	0	---	---	0.081	MEAN

LOCATION - LAT 52 57 32 N DRAINAGE AREA, 71.7 km²
LONG 105 28 16 W NATURAL FLOW

CROMARTY CREEK NEAR BIRCH HILLS - STATION NO. 05HH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1974	---	---	---	---	1974
1975	---	5.07 ON APR 16	0B ON MAR 01 *	3 030	1975
1976	---	2.28 ON APR 06	0B ON MAR 01	990	1976
1977	0.280 AT 10:44 CST ON MAY 20	0.147 ON MAY 29	0B ON MAR 01	74.2	1977
1978	7.84 AT 22:00 CST ON APR 09	3.44 ON APR 10	0B ON MAR 01	3 110	1978
1979	---	7.00 ON APR 24	0B ON MAR 01	3 740	1979
1980	8.14 B AT 00:00 CST ON APR 14	6.34 B ON APR 14	0B ON MAR 01	1 660	1980
1981	---	0.150E ON MAR 31	0B ON MAR 01	108	1981
1982	5.83 AT 22:25 CST ON APR 14	3.82 ON APR 14	0B ON MAR 01	1 010	1982
1983	---	1.67 ON APR 19	0B ON MAR 01	692	1983
1984	1.21 AT 17:39 CST ON JUN 08	0.905 ON JUN 08	0B ON MAR 01	977	1984
1985	33.0 AT 22:44 CST ON APR 13 *	18.4 ON APR 20 *	0B ON MAR 01	7 550	1985
1986	4.67 B AT 04:27 CST ON MAR 28	2.98 B ON MAR 28	0B ON MAR 01	802	1986
1987	6.28 B AT 22:42 CST ON APR 05	4.50 B ON APR 06	0B ON MAR 01	984	1987
1988	8.72 B AT 22:06 CST ON APR 07	4.49 B ON APR 07	0B ON MAR 01	1 690	1988
1989	0.788 AT 01:08 CST ON APR 05	0.592 ON APR 05	0B ON MAR 01	183	1989
1990	3.94 B AT 00:15 CST ON MAR 31	2.91 B ON MAR 30	0B ON MAR 01	889	1990
				1 720	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROOKED HILL CREEK NEAR CANORA - STATION NO. 05MB006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	1.91	6.84	0.093	---	---	---	---	---	---	---	1956
1957	---	---	---	1.55	0.520	---	---	---	---	---	---	---	---	1957
1958	---	---	0.005	0.131	---	---	---	---	---	---	---	---	---	1958
1959	---	---	0.006	0.055	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	2.10	0.079	---	---	---	---	---	---	---	---	1960
1962	---	---	---	0.308	0.035	---	---	---	---	---	---	---	---	1962
1963	---	---	0.044	0.133	---	---	---	---	---	---	---	---	---	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.569	0.044	0.025	0	0	0	0	---	---	0.078	1965
1966	---	---	0	2.69	0.513	0.120	0.026	0.006	0	0	---	---	0.414	1966
1967	---	---	0	0.360	1.50	0.037	0	0	0	0	---	---	0.239	1967
1968	---	---	0.005	0.384	0	0	0	0	0	0	---	---	0.048	1968
1969	---	---	0	1.46	0.026	0	0	0	0	0	---	---	0.183	1969
1970	---	---	0	0.786	0.522	0.024	0.031	0	0	0	---	---	0.169	1970
1971	---	---	0	4.17	0.527	0	0	0	0.003	0.107	---	---	0.592	1971
1972	---	---	0	5.86	1.45	0.014	0	0	0	0	---	---	0.903	1972
1973	---	---	0.029	0.068	0.033	0.006	0.011	0	0	0	---	---	0.018	1973
1974	---	---	0	4.68	3.82	0.660	0	0	0	0	---	---	1.14	1974
1975	---	---	0	4.21	2.99	0.035	0.033	0	0	0	---	---	0.903	1975
1976	---	---	0	9.61	0.148	0.419	0.063	0.006	0	0	---	---	1.25	1976
1977	---	---	0	1.12	0.025	0	0	0	0	0	---	---	0.140	1977
1978	---	---	0.001	0.906	0.049	0	0	0	0	0	---	---	0.117	1978
1979	---	---	0	4.71	4.20	0.722	0	0	0	0	---	---	1.20	1979
1980	---	---	0	2.68	0.057	0.007	0.008	0	0	0	---	---	0.338	1980
1981	---	---	0.099	0.004	0	0	0	0	0	0	---	---	0.013	1981
1982	---	---	0.006	0.145	0.004	0.001	0.198	0.008	0.001	0.001	---	---	0.045	1982
1983	---	---	0	3.53	2.14	0.066	0.066	0.110	0.003	0	---	---	0.735	1983
1984	---	---	0.618	0.636	0.064	0.085	0.001	0	0	0	---	---	0.175	1984
1985	---	---	0	7.49	0.444	0.024	0.003	0	0	0	---	---	0.977	1985
1986	---	---	0.297	4.78	0.107	0.017	0.020	0.006	0	0	---	---	0.642	1986
1987	---	---	0.021	2.76	0.021	0	0.383	0.033	0.001	0.002	---	---	0.398	1987
1988	---	---	0.003	5.25	0.480	0.001	0	0	0	0	---	---	0.704	1988
1989	---	---	0.001	0.170	0.001	0.001	0	0	0	0.005	---	---	0.022	1989
1990	---	---	0	4.92	0.163	0.002	0	0	0	0	---	---	0.624	1990
MEAN	---	---	0.038	2.36	0.865	0.085	0.031	0.006	0	0.004	---	---	0.447	MEAN

LOCATION - LAT 51 39 48 N DRAINAGE AREA, 582 km²
LONG 102 25 41 W REGULATED

CROOKED HILL CREEK NEAR CANORA - STATION NO. 05MB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	---	---	1956
1957	---	5.52 ON APR 24	0E ON APR 01 *	---	1957
1958	---	---	0E ON MAR 01	---	1958
1959	---	---	0E ON MAR 01	---	1959
1960	---	8.35 ON APR 17	0E ON APR 01	---	1960
1962	---	2.38 ON APR 25	0E ON APR 01	---	1962
1963	---	0.215 ON APR 07	0E ON MAR 01	---	1963
1964	---	0 ON MAR 01	0 ON MAR 01	0	1964
1965	---	2.16 B ON APR 17	0B ON MAR 01	1 660	1965
1966	---	10.4 ON APR 16	0B ON MAR 01	8 770	1966
1967	---	5.64 B ON MAY 02	0B ON MAR 01	5 050	1967
1968	---	1.14 ON APR 12	0 ON MAR 01	1 010	1968
1969	---	5.78 ON APR 18	0B ON MAR 01	3 860	1969
1970	---	1.70 ON APR 15	0B ON MAR 01	3 580	1970
1971	---	14.7 B ON APR 20	0B ON MAR 01	12 500	1971
1972	17.4 ON APR 24	17.3 ON APR 24	0B ON MAR 01	19 100	1972
1973	---	0.201B ON MAR 26	0B ON MAR 01	388	1973
1974	---	10.5 ON APR 26	0B ON MAR 01	24 100	1974
1975	---	15.3 ON APR 28	0B ON MAR 01	19 100	1975
1976	31.1 AT 19:41 CST ON APR 17 *	30.6 ON APR 17 *	0B ON MAR 01	26 600	1976
1977	4.47 AT 11:50 CST ON APR 14	3.99 ON APR 16	0B ON MAR 01	2 970	1977
1978	4.53 AT 20:59 CST ON APR 16	3.45 ON APR 16	0B ON MAR 01	2 460	1978
1979	22.1 AT 18:32 CST ON APR 26	21.7 ON APR 27	0B ON MAR 01	25 300	1979
1980	13.6 AT 09:17 CST ON APR 17	12.6 ON APR 17	0B ON MAR 01	7 150	1980
1981	1.13B AT 12:00 CST ON MAR 21	0.400B ON MAR 21	0 ON APR 25	775	1981
1982	2.83A AT 06:00 CST ON JUL 17	1.84 E ON JUL 17	0B ON MAR 01	961	1982
1983	20.8 AT 23:50 CST ON APR 24	19.6 ON APR 25	0B ON MAR 01	15 600	1983
1984	4.03 AT 10:50 CST ON MAR 27	3.66 ON MAR 27	0B ON MAR 01	3 700	1984
1985	23.0 AT 12:28 CST ON APR 15	22.8 ON APR 15	0B ON MAR 01	20 700	1985
1986	14.2 AT 07:55 CST ON APR 05	13.7 ON APR 05	0B ON MAR 01	13 600	1986
1987	14.1 AT 20:55 CST ON APR 06	12.3 ON APR 07	0B ON MAR 01	8 380	1987
1988	17.1 AT 19:26 CST ON APR 06	15.6 ON APR 06	0B ON MAR 01	14 900	1988
1989	1.80 AT 15:10 CST ON APR 06	1.15 ON APR 05	0B ON MAR 01	459	1989
1990	16.5 B AT 14:05 CST ON APR 08	15.9 B ON APR 08	0B ON MAR 01	13 200	1990
				9 460	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CRYSTAL CREEK NEAR IFFLEY - STATION NO. 05EG004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	0.839	0.169									
1961	---	---	0.027	0.961	0.188	---	---	---	---	---	---	---	---	1960
1962	---	---	---	0.305	0.042	---	---	---	---	---	---	---	---	1961
1963	---	---	---	0.321	0.037	---	---	---	---	---	---	---	---	1962
1964	---	---	---	---	---	---	---	---	---	---	---	---	---	1963
						---	---	0.220	0.246	0.218	---	---	---	1964
1965	---	---	---	---	0.172	0.400	0.321	0.099	0.071	0.116	---	---	---	
1966	---	---	0.164	1.57	0.223	0.348	0.330	0.175	0.165	0.173	---	---	---	1965
1967	---	---	0	0.231	0.344	0.214	0.234	0.234	0.129	0.067	---	---	0.390	1966
1968	---	---	0.639	0.639	0.271	0.174	0.210	0.185	0.194	0.203	---	---	0.102	1967
1969	---	---	0.059	3.46	0.325	0.227	0.222	0.128	0.142	0.199	---	---	0.314	1968
													0.586	1969
1970	---	---	0.145	3.77	0.412	0.276	0.440	0.169	0.131	0.229	---	---	0.688	1970
1971	---	---	0.110	0.882	0.317	0.251	0.282	0.212	0.139	0.153	---	---	0.292	1971
1972	---	---	0.187	1.02	0.378	0.194	0.171	0.121	0.160	0.159	---	---	0.297	1972
1973	---	---	0.223	1.61	0.456	0.357	0.238	0.218	0.122	0.163	---	---	0.419	1973
1974	---	---	0.284	3.42	0.922	0.370	0.214	0.135	0.132	0.237	---	---	0.707	1974
1975	---	---	0.127	0.576	0.466	0.300	0.135	0.111	0.098	0.115	---	---	0.240	1975
1976	---	---	0.129	0.411	0.219	0.165	0.325	0.179	0.132	0.172	---	---	0.216	1976
1977	---	---	0	0.272	0.504	0.161	0.111	0.069	0.094	0.102	---	---	0.174	1977
1978	---	---	0.104	0.903	0.388	0.301	0.055	0.068	0.092	0.081	---	---	0.247	1978
1979	---	---	0.093	2.49	2.02	0.342	0.207	0.187	0.097	0.029	---	---	0.680	1979
1980	---	---	0.102	0.788	0.265	0.176	0.077	0.070	0.122	0.190	---	---	0.222	1980
1981	---	---	0.223	1.14	0.240	0.046	0.096	0.045	0.032	0.232	---	---	0.225	1981
1982	---	---	0.091	0.994	0.339	0.165	0.251	0.085	0.065	0.102	---	---	0.260	1982
1983	---	---	0.131	1.10	0.355	0.400	0.391	0.073	0.207	0.134	---	---	0.346	1983
1984	---	---	0.234	1.08	0.437	0.457	0.188	0.038	0.027	0.025	---	---	0.309	1984
1985	---	---	0.131	5.26	1.82	0.230	0.141	0.106	0.122	0.138	---	---	0.983	1985
1986	---	---	0.181	1.16	0.376	0.190	0.230	0.138	0.059	0.083	---	---	0.301	1986
1987	---	---	0.143	0.969	0.236	*0.190	0.201	0.279	0.146	0.122	---	---	0.284	1987
1988	---	---	0.174	0.761	0.281	0.296	0.372	0.176	0.105	0.127	---	---	0.285	1988
1989	---	---	0.115	1.17	0.359	0.370	0.170	0.073	0.113	0.112	---	---	0.308	1989
1990	---	---	0.167	0.971	0.310	0.136	0.221	0.045	0.080	0.137	---	---	0.257	1990
MEAN	---	---	0.153	1.35	0.429	0.259	0.225	0.135	0.119	0.144	---	---	0.370	MEAN

LOCATION - LAT 52 58 47 N LONG 108 09 23 W DRAINAGE AREA, 500 km² NATURAL FLOW

REMARKS - RECORDS PRIOR TO SEP 17 1975 OBTAINED IN SW29-46-15-W3

CRYSTAL CREEK NEAR IFFLEY - STATION NO. 05EG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1960	---	2.73 ON APR 11	0 E ON APR 01 *	---	1960
1961	---	2.35 ON APR 02	0 E ON MAR 01	---	1961
1962	---	1.57 ON APR 18	0 E ON APR 01	---	1962
1963	---	0.637 ON APR 11	0 E ON APR 01	---	1963
1964	---	---	---	---	1964
1965	---	8.07 B ON APR 15	0 ON MAY 10	---	1965
1966	---	3.40 ON APR 15	0.096 ON AUG 04	8 250	1966
1967	0.671 AT 20:30 CST ON MAY 01	0.552 ON MAY 01	0 B ON MAR 01	3 840	1967
1968	1.88 B AT 21:00 CST ON MAR 27	1.78 B ON MAR 28	0.028B ON MAR 01	5 660	1968
1969	21.5 AT 20:00 CST ON APR 12	20.2 ON APR 12	0.057B ON MAR 01	12 400	1969
1970	11.6 AT 13:23 CST ON APR 16	10.7 ON APR 16	0.113 ON SEP 14	14 600	1970
1971	2.77 B AT 02:21 CST ON APR 16	2.59 B ON APR 16	0.110B ON MAR 01	6 170	1971
1972	3.40 AT 19:54 CST ON APR 22	3.09 ON APR 22	0.096 ON AUG 26	6 280	1972
1973	5.27 AT 18:50 CST ON APR 05	4.50 ON APR 05	0.057 ON SEP 11	8 880	1973
1974	23.3 AT 04:45 CST ON APR 21 *	20.9 ON APR 21 *	0.096 ON SEP 05	15 000	1974
1975	---	1.86 ON APR 25	0.018 ON AUG 24	5 080	1975
1976	2.01 AT 22:00 CST ON JUL 13	1.65 ON JUL 14	0.054 ON JUL 07	4 580	1976
1977	1.97 AT 14:22 CST ON MAY 20	1.77 ON MAY 20	0 B ON MAR 01	3 680	1977
1978	---	2.10 B ON APR 14	0.003E ON JUL 18	5 230	1978
1979	13.9 AT 07:52 CST ON APR 29	13.5 ON APR 29	0.014 ON OCT 17	14 400	1979
1980	3.19 AT 10:50 CST ON APR 19	3.09 ON APR 19	0.007 ON AUG 21	4 700	1980
1981	2.03 B AT 20:20 CST ON APR 07	1.93 B ON APR 08	0.001 ON JUN 19	5 390	1981
1982	2.82 AT 19:11 CST ON APR 25	2.75 ON APR 25	0.016 ON AUG 13	5 500	1982
1983	3.32 AT 13:13 CST ON APR 21	3.20 ON APR 21	0.001 ON AUG 23	7 320	1983
1984	2.44 AT 23:22 CST ON APR 06	2.34 ON APR 07	0.014 ON AUG 29	6 530	1984
1985	15.3 AT 23:40 CST ON APR 20	14.2 ON APR 21	0.005 ON AUG 08	20 800	1985
1986	3.37 B AT 22:54 CST ON APR 08	3.24 B ON APR 08	0.001 ON SEP 03	6 380	1986
1987	3.79 AT 06:06 CST ON APR 08	3.54 ON APR 08	0.014 ON SEP 30	6 010	1987
1988	2.41 B AT 22:40 CST ON APR 10	2.21 B ON APR 10	0.040 ON AUG 13	6 040	1988
1989	2.65 B AT 13:47 CST ON APR 16	2.25 B ON APR 16	0.018 ON AUG 28	6 510	1989
1990	---	2.74 B ON APR 05	0.012 ON AUG 13	5 430	1990
				7 830	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CUMBERLAND DITCH NEAR PIAPOT - STATION NO. 05HA034

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0.053	0.036	0	0	0	0	---	---	0.011	1915
MEAN	---	---	0	0	0.053	0.036	0	0	0	0	---	---	0.011	MEAN

LOCATION - LAT 49 54 20 N
LONG 109 14 25 W REGULATED

CUMBERLAND DITCH NEAR PIAPOT - STATION NO. 05HA034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.255 ON JUN 01 *	0 ON MAR 01 *	236	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		236	MEAN

CUT KNIFE CREEK NEAR CUT KNIFE - STATION NO. 05FF003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	6.27	---	---	---	---	---	---	---	---	---	1969
1970	---	---	0	6.83	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	---	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	5.57	---	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.20	0.209	0.010	0.812	0.005	0.003	0.005	---	---	0.279	1975
1976	---	---	0	5.89	0.032	0.007	0.003	0.003	0.002	0.002	---	---	0.728	1976
1977	---	---	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.005	---	---	0.004	1977
1978	---	---	0	0.291	0.054	0.005	0.001	0.001	0.002	0.002	---	---	0.044	1978
1979	---	---	0.060	2.06	0.051	0.005	0	0	0	0	---	---	0.267	1979
1980	---	---	0	0.439	0.004	0.001	0.001	0.001	0.001	0.003	---	---	0.055	1980
1981	---	---	0.291	0.513	0.008	0.001	0.001	0.001	0	0.001	---	---	0.101	1981
1982	---	---	0	0.063	0.035	0.018	0.471	0.003	0.001	0.001	---	---	0.075	1982
1983	---	---	0.004	2.00	0.027	0.003	0.255	0.003	0.002	0.002	---	---	0.282	1983
1984	---	---	1.39	0.316	0.006	0.005	0.001	0.002	0.002	0.002	---	---	0.217	1984
1985	---	---	0.004	8.94	0.237	0.011	0.002	0.002	0.001	0.001	---	---	1.13	1985
1986	---	---	1.15	0.448	0.017	0.006	0.004	0.006	0.002	0.002	---	---	0.205	1986
1987	---	---	0.017	1.75	0.008	0.002	0.002	0.002	0.001	0.001	---	---	0.219	1987
1988	---	---	0.006	0.038	0.005	0.002	0.001	0.001	0	0.001	---	---	0.007	1988
1989	---	---	0	1.24	0.009	0.004	0.002	0.001	0.002	0.003	---	---	0.154	1989
1990	---	---	0.563	0.014	0.007	0.004	0.001	0.001	0.001	0.001	---	---	0.075	1990
MEAN	---	---	0.184	2.31	0.045	0.005	0.098	0.002	0.001	0.002	---	---	0.240	MEAN

LOCATION - LAT 52 45 18 N DRAINAGE AREA, 403 km^2
LONG 108 46 52 W NATURAL FLOW

CUT KNIFE CREEK NEAR CUT KNIFE - STATION NO. 05FF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	0 B ON MAR 21 *	---	1968
1969	---	75.6 ON APR 12	0 B ON MAR 01	---	1969
1970	---	66.0 B ON APR 12	0 B ON MAR 01	---	1970
1971	---	58.9 B ON APR 14	---	---	1971
1972	---	56.1 ON APR 07	---	---	1972
1974	---	85.0 E ON APR 18 *	0 B ON MAR 01	---	1974
1975	---	15.6 E ON JUL 04	0 B ON MAR 01	5 900	1975
1976	---	53.0 ON APR 07	0 B ON MAR 01	15 400	1976
1977	---	0.009 ON MAY 21	0 E ON JUN 26	75.6	1977
1978	---	0.600B ON APR 08	0 B ON MAR 01	925	1978
1979	20.4 B AT 05:23 CST ON APR 19	17.1 B ON APR 19	0 B ON MAR 01	5 650	1979
1980	---	1.80 B ON APR 10	0 B ON MAR 01	1 170	1980
1981	7.66 B AT 14:29 CST ON APR 01	5.21 B ON APR 01	0 B ON MAR 01	2 140	1981
1982	11.0 AT 02:37 CST ON JUL 03	5.81 ON JUL 03	0 B ON MAR 01	1 580	1982
1983	14.0 B AT 08:23 CST ON APR 07	12.2 B ON APR 07	0.002 ON JUN 14	5 980	1983
1984	10.2 AT 10:00 CST ON MAR 27	9.09 B ON MAR 27	0.001B ON MAR 01	4 600	1984
1985	79.1 AT 05:00 CST ON APR 14 *	61.3 ON APR 14	0.001 ON JUL 21	23 900	1985
1986	11.0 B AT 09:10 CST ON MAR 30	9.17 B ON MAR 30	0.001 ON JUN 29	4 130	1986
1987	14.9 B AT 05:18 CST ON APR 02	13.2 B ON APR 02	0.001 ON MAY 24	4 630	1987
1988	0.470B AT 03:06 CST ON APR 03	0.305B ON APR 03	0 ON AUG 24	140	1988
1989	14.0 B AT 10:56 CST ON APR 03	10.8 B ON APR 03	0 B ON MAR 01	3 270	1989
1990	5.12 B AT 21:33 CST ON MAR 08	3.32 B ON MAR 09	0.001B ON MAR 02	1 590	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 080	MEAN

CUTARM CREEK NEAR SPY HILL - STATION NO. 05JM015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1942	---	---	---	3.68	0.286	0.272	0.128	0.476	0.193	0.165	---	---	---	1942
1943	---	---	---	0.10	0.376	0.551	0.095	0.136	0.129	0.127	---	---	---	1943
1944	---	---	---	0.998	0.367	0.636	0.172	0.133	0.185	0.115	---	---	---	1944
1945	---	---	---	0.640	0.455	0.389	0.290	0.050	0.157	0.168	---	---	---	1945
1946	---	---	---	0.953	0.252	0.113	0.430	0.069	0.130	0.283	---	---	---	1946
1947	---	---	---	---	0.836	1.62	0.320	0.087	0.111	0.123	---	---	---	1947
1948	---	---	---	---	1.39	0.140	0.161	0.060	0.027	0.101	---	---	---	1948
1949	---	---	---	1.21	0.262	0.844	0.170	0.120	0.088	0.119	0.115	---	---	1949
1950	---	---	---	1.55	0.576	0.401	0.342	0.058	0.049	0.223	---	---	---	1950
1951	---	---	---	2.07	0.658	0.382	0.099	0.064	0.202	0.245	---	---	---	1951
1952	---	---	---	2.21	0.283	0.272	0.136	0.065	0.263	0.103	---	---	---	1952
1953	---	---	---	3.28	0.638	1.53	0.763	1.47	0.558	0.627	---	---	---	1953
1954	---	---	---	4.05	1.66	5.03	3.53	0.438	0.821	0.938	0.578	---	---	1954
1955	---	---	---	6.93	5.18	1.19	0.512	0.160	0.307	0.400	---	---	---	1955
1956	---	---	---	7.47	4.72	0.850	0.386	0.799	0.684	0.469	---	---	---	1956
1957	---	---	0.570	2.97	0.739	0.267	0.125	0.151	0.143	0.264	---	---	---	1957
1958	---	---	0.457	0.948	0.336	0.237	0.150	0.081	0.093	0.017	---	---	0.648	1958
1959	---	---	0.633	0.963	0.431	0.318	0.110	0.020	0.051	0.309	---	---	0.288	1959
													0.353	
1960	---	---	0.054	2.08	0.596	0.207	0.016	0	0	0.121	---	---	0.380	1960
1961	---	---	0.372	0.562	0.383	0.055	0	0	0	0.087	---	---	0.182	1961
1962	---	---	0.101	1.40	0.401	0.228	0.042	0.063	0.055	0.120	---	---	0.298	1962
1963	---	---	0.533	0.653	0.275	0.440	0.323	0.120	0.280	0.473	---	---	0.411	1963
1964	---	---	0.005	1.87	1.00	0.317	0.040	0.163	0.069	0.197	---	---	0.455	1964
1965	---	---	0.074	2.13	0.575	0.283	0.087	0	0.526	0.303	---	---	0.492	1965
1966	---	---	0.274	0.405	0.907	0.070	0.053	0.074	0.010	0.015	---	---	0.227	1966
1967	---	---	0	1.72	0.390	0.003	0	0	0	0	---	---	0.261	1967
1968	---	---	0.524	0.539	0.186	0.070	0.027	0.068	0.005	0.021	---	---	0.180	1968
1969	---	---	0.011	2.67	0.323	0.058	0.342	0.074	0.088	0.018	---	---	0.442	1969
1970	---	---	0	1.89	0.647	0.197	0.238	0.157	0.171	0.186	---	---	0.431	1970
1971	---	---	0	1.17	0.209	0.294	0.266	0.162	0.171	0.242	---	---	0.304	1971
1972	---	---	0.086	1.57	0.467	0.171	0.127	0.159	0.111	0.094	---	---	0.345	1972
1973	---	---	0.134	0.034	0.117	0.334	0.171	0.048	0.054	0.129	---	---	0.120	1973
1974	---	---	0.089	3.77	1.10	0.214	0.029	0.065	0.067	0.026	---	---	0.661	1974
1975	---	---	0.040	2.88	1.00	0.312	0.052	0.188	0.261	0.199	---	---	0.611	1975
1976	---	---	0.233	7.28	0.324	0.659	0.025	0.020	0.084	0.009	---	---	1.06	1976
1977	---	---	0.055	0.172	0.572	0.058	0.022	0.035	0.049	0.093	---	---	0.133	1977
1978	---	---	0.135	0.919	0.216	0.055	0.044	0.049	0.098	0.015	---	---	0.109	1978
1979	---	---	0.005	3.62	1.01	0.049	0.017	0.028	0.049	0.033	---	---	0.594	1979
1980	---	---	0.072	0.895	0.030	0.001	0.001	0.001	0.001	0.001	---	---	0.123	1980
1981	---	---	0.171	0.145	0.118	0.223	0.014	0.001	0	0.007	---	---	0.084	1981
1982	---	---	0.048	0.901	0.161	0.021	0.019	0.012	0.001	0.016	---	---	0.145	1982
1983	---	---	0.012	1.87	0.504	0.045	0.147	0.031	0.103	0.094	---	---	0.347	1983
1984	---	---	0.125	0.403	0.194	0.022	0	0	0.016	0.029	---	---	0.098	1984
1985	---	---	0.260	3.98	0.119	0.123	0.053	0.120	0.093	0.061	---	---	0.591	1985
1986	---	---	1.38	1.01	0.506	0.077	0.139	0.042	0.044	0.027	---	---	0.403	1986
1987	---	---	0.404	1.72	0.048	0.052	0.088	0.013	0.005	0.011	---	---	0.289	1987
1988	---	---	0.333	0.821	0.438	0.090	0.001	0.038	0	0	---	---	0.214	1988
1989	---	---	0.021	0.331	0.010	0.072	0.044	0	0.006	0.014	---	---	0.061	1989
1990	---	---	0.162	3.23	0.393	0.141	0.308	0	0	0	---	---	0.522	1990
MEAN	---	---	0.217	2.04	0.667	0.407	0.217	0.130	0.135	0.152	0.347	---	0.351	MEAN

LOCATION - LAT 50 35 27 N LONG 101 44 34 W

DRAINAGE AREA, 766 km²
REGULATED SINCE 1967

CUTARM CREEK NEAR SPY HILL - STATION NO. 05JM015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1942	---	---	---	---	1942
1943	---	---	---	---	1943
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	---	---	---	1946
1947	---	---	---	---	1947
1948	---	---	---	---	1948
1949	---	16.6 ON APR 24	---	---	1949
1950	---	---	---	---	1950
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	25.6 ON APR 23 *	---	---	1956
1957	---	6.40 B ON APR 11	0.028B ON MAR 01	13 700	1957
1958	---	3.57 B ON APR 02	0 ON AUG 16 *	6 100	1958
1959	---	4.93 B ON MAR 30	0 ON AUG 23	7 480	1959
1960	---	4.42 ON APR 15	0 ON JUL 17	8 040	1960
1961	---	1.03 B ON MAR 25	0 ON JUN 27	3 860	1961
1962	---	6.20 B ON APR 21	0 ON MAY 26	6 310	1962
1963	---	2.55 B ON MAR 26	0 B ON MAR 01	8 710	1963
1964	---	5.86 B ON APR 12	0 B ON MAR 01	9 620	1964
1965	---	11.6 B ON APR 14	0 ON JUL 18	10 400	1965
1966	---	5.41 ON MAY 04	0 B ON MAR 01	4 800	1966
1967	---	5.49 B ON APR 22	0 B ON MAR 01	5 520	1967
1968	---	2.80 B ON MAR 30	0 B ON MAR 01	3 800	1968
1969	---	9.37 B ON APR 14	0 B ON MAR 01	9 360	1969
1970	---	5.38 B ON APR 13	0 B ON MAR 01	9 130	1970
1971	---	4.79 B ON APR 13	0 B ON MAR 01	6 440	1971
1972	---	3.96 ON APR 20	0 B ON MAR 01	7 300	1972
1973	1.23 AT 03:29 CST ON JUN 04	0.932 ON JUN 04	0.002 ON SEP 20	2 700	1973
1974	16.5 AT 15:30 CST ON APR 21	16.3 ON APR 21	0 ON JUL 31	14 000	1974
1975	8.38 AT 21:08 CST ON APR 21	8.27 ON APR 22	0.031A ON SEP 09	12 900	1975
1976	24.9 AT 21:02 CST ON APR 09 *	24.6 ON APR 11	0.001 ON AUG 14	22 400	1976
1977	1.31 AT 03:41 CST ON MAY 10	1.27 ON MAY 10	0.001 ON JUN 09	2 810	1977
1978	2.45B AT 05:08 CST ON APR 02	1.81 B ON APR 02	0 B ON MAR 01	4 010	1978
1979	17.8 B AT 11:16 CST ON APR 23	15.7 ON APR 24	0 ON AUG 29	12 600	1979
1980	4.83B AT 10:52 CST ON APR 10	3.12 B ON APR 10	0 ON JUN 08	2 610	1980
1981	1.22 AT 17:03 CST ON JUN 06	0.717 ON JUN 18	0 ON AUG 15	1 780	1981
1982	4.61B AT 16:21 CST ON APR 16	3.09 B ON APR 16	0 ON SEP 02	3 080	1982
1983	8.66 AT 18:35 CST ON APR 23	8.60 ON APR 23	0 B ON MAR 01	7 350	1983
1984	1.42B AT 14:05 CST ON APR 03	0.977B ON MAR 23	0 ON JUN 06	2 080	1984
1985	13.1 B AT 10:42 CST ON APR 06	11.2 B ON APR 06	0 ON JUN 26	12 500	1985
1986	7.08B AT 22:03 CST ON MAR 26	5.42 B ON MAR 26	0.001 ON SEP 02	8 530	1986
1987	7.24 AT 19:56 CST ON APR 06	6.62 ON APR 06	0 ON JUN 19	6 110	1987
1988	---	2.86 B ON APR 06	0 ON JUL 18	4 530	1988
1989	2.38 AT 20:28 CST ON APR 09	1.08 ON APR 10	0 B ON MAR 01	1 300	1989
1990	13.2 B AT 15:43 CST ON APR 06	10.3 B ON APR 06	0 B ON MAR 01	11 100	1990
				7 440	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CYPRESS LAKE EAST INFLOW CANAL NEAR VIDORA - STATION NO. 11AC072

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	0.540	0.512	0.274	0.401	0.067	0.019	0.053	0.063	---	---	0.240	1939
1940	---	---	0.020	3.21	1.21	0.443	0.078	0.054	0.037	0.034	---	---	0.628	1940
1941	---	---	1.60	0.919	0.202	0.112	0.027	0.003	0.007	0.002	---	---	0.359	1941
1942	---	---	0.064	2.47	0.234	0.762	0.232	0.026	0.026	0.026	---	---	0.473	1942
1943	---	---	1.28	2.39	0.218	0.054	0.018	0.003	0.004	0.030	---	---	0.495	1943
1944	---	---	0.356	2.56	0.153	0.041	0.025	0.017	0.013	0.032	---	---	0.394	1944
1945	---	---	0.795	0.109	0.052	0.031	0.010	0.002	0.030	0.064	---	---	0.138	1945
MEAN	---	---	0.665	1.74	0.335	0.263	0.065	0.018	0.024	0.036	---	---	0.390	MEAN

LOCATION - LAT 49 30 35 N
LONG 109 22 20 W REGULATED

CYPRESS LAKE EAST INFLOW CANAL NEAR VIDORA - STATION NO. 11AC072

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	3.96 ON MAR 25	0 ON JUL 19 *	5 080	1939
1940	---	23.5 ON APR 21 *	0 ON AUG 31	13 300	1940
1941	---	6.74 ON MAR 26	0 ON JUL 16	7 600	1941
1942	---	10.7 ON APR 13	0 ON AUG 07	10 000	1942
1943	---	10.8 ON APR 03	0 ON AUG 31	10 500	1943
1944	---	11.7 ON APR 03	0.003 ON JUL 17	8 330	1944
1945	---	5.13 ON MAR 23	0 ON JUL 23	2 920	1945
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 250	MEAN

CYPRESS LAKE EAST OUTFLOW CANAL - STATION NO. 11AC060

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1940	---	---	0	0	0	0	0.029	0.035	0.003	0	---	---	0.008	1940
1941	---	---	0	0	0	0	0	0	0	0	---	---	0	1941
1942	---	---	0	0	0	0	0	0	0	0	---	---	0	1942
1943	---	---	0	0	0	0.036	0.265	0.732	0.935	0.143	---	---	0.263	1943
1944	---	---	0	0	0.034	0.102	0.182	0.069	0	0	---	---	0.049	1944
1945	---	---	0	0	0.023	0.119	0.335	0.777	0.095	0	---	---	0.170	1945
1946	---	---	0	0.003	0.006	0.112	0.499	0	0	0.005	---	---	0.079	1946
1947	---	---	0	0	0.140	0.118	0.072	0.155	0.003	0.004	---	---	0.062	1947
1948	---	---	0	0	0.042	0.089	0.136	0	0.004	0.010	---	---	0.035	1948
1949	---	---	0	0.014	0.706	1.35	0.818	0.103	0.084	0.078	---	---	0.393	1949
1950	---	---	0	0	0.204	0.058	0.010	0.001	0.001	0.001	---	---	0.034	1950
1951	---	---	0	0.090	0.058	0.037	0.046	0.024	0.036	0.035	---	---	0.040	1951
1952	---	---	0	2.52	0.600	0.353	0.070	0.009	0.032	0.038	---	---	0.447	1952
1953	---	---	0	0.081	0.392	0.587	0.040	0.004	0	0.023	---	---	0.140	1953
1954	---	---	0.060	0.249	0.181	0.226	0.020	0.136	0.120	0.100	---	---	0.136	1954
1955	---	---	0.071	1.68	1.70	0.215	0.507	0.356	0.053	0.056	---	---	0.580	1955
1956	---	---	0.059	0.522	0.150	0.831	0.052	0.027	0.043	0.068	---	---	0.216	1956
1957	---	---	0.042	0.474	0.226	0.534	0.471	1.03	0.011	0.035	---	---	0.352	1957
1958	---	---	0.046	0.458	0.033	0.578	1.14	0.754	0.003	0.034	---	---	0.380	1958
1959	---	---	0.065	0.304	0.124	0.922	0.169	0.307	0.001	0.014	---	---	0.236	1959
1960	---	---	0.165	0.019	0.086	1.06	0.876	0.245	0.001	0.010	---	---	0.307	1960
1961	---	---	0.127	0.417	1.06	0.759	0.531	0.124	0.043	0.004	---	---	0.382	1961
1962	---	---	0.026	0.141	0.032	0.082	0.029	0.001	0	0.025	---	---	0.042	1962
1963	---	---	0.037	0.036	0.014	0.007	0.004	0	0	0	---	---	0.012	1963
1964	---	---	0.033	0.282	0.322	0.029	0.020	0	0	0	---	---	0.085	1964
1965	---	---	0.012	0.182	0.198	0.321	0.121	0.017	0	0	---	---	0.106	1965
1966	---	---	0.029	0.094	0.129	0.632	0.063	0.010	0.029	0.054	---	---	0.129	1966
1967	---	---	0.045	0.412	0.776	0.124	0.718	0.130	0.010	0.038	---	---	0.283	1967
1968	---	---	0.199	0.268	0.241	0.366	0.108	0.323	0.022	0.052	---	---	0.197	1968
1969	---	---	0.019	0.343	0.304	0.407	0.148	0	0	0.008	---	---	0.152	1969
1970	---	---	0.039	0.285	0.961	0.739	0.125	0	0.001	0.010	---	---	0.269	1970
1971	---	---	0.037	0.684	0.362	0.043	0.258	0.556	0.866	0.097	---	---	0.361	1971
1972	---	---	0.075	3.07	0.116	0.532	0.040	0.109	0.018	0.038	---	---	0.492	1972
1973	---	---	0.151	2.59	1.10	0.049	0.005	0	0	0.042	---	---	0.487	1973
1974	---	---	0.042	0.146	0.216	0.046	0.520	0.100	0.016	0.041	---	---	0.142	1974
1975	---	---	0.037	0.035	0.164	0.313	0.109	0.058	0.057	0.071	---	---	0.105	1975
1976	---	---	0.092	0.251	0.094	0.049	0.067	0.012	0.007	0.037	---	---	0.076	1976
1977	---	---	0.028	3.50	1.54	0.717	1.88	0.258	0.003	0.029	---	---	0.908	1977
1978	---	---	0.020	0.027	0.234	0.076	0.030	0.003	0.028	0.053	---	---	0.059	1978
1979	---	---	0.062	0.040	0.059	0.106	0.124	0.027	0.011	0.028	---	---	0.057	1979
1980	---	---	0.031	0.088	0.563	2.34	0.795	0.026	0.010	0.041	---	---	0.483	1980
1981	---	---	0.038	0.018	0.019	0.087	0.054	0.003	0	0.006	---	---	0.028	1981
1982	---	---	0.014	0.056	0.181	0.087	0.109	0.003	0.006	0.029	---	---	0.061	1982
1983	---	---	0.067	0.062	0.191	0.071	0.186	0.009	0.008	0.036	---	---	0.079	1983
1984	---	---	0.033	0.027	0.006	0.052	0.006	0	0	0.002	---	---	0.016	1984
1985	---	---	0.036	0.305	0.080	0.067	0.001	0	0.013	0.040	---	---	0.067	1985
1986	---	0.091	0.108	0.105	0.033	0.126	0.109	0.001	0.040	0.027	---	---	0.068	1986
1987	---	0.036	0.140	0.064	0.009	0.073	0.020	0.015	0.007	0.007	---	---	0.042	1987
1988	---	---	0.097	0.221	0.008	0.024	0.043	0.005	0.127	0.026	---	---	0.068	1988
1989	---	---	0	0.019	0.039	0.054	0.093	0.006	0.025	0.024	---	---	0.033	1989
1990	---	---	0.122	0.092	0.124	0.108	0.161	0.051	0.010	0.042	---	---	0.089	1990
MEAN	---	0.064	0.045	0.398	0.272	0.310	0.239	0.130	0.055	0.031	---	---	0.184	MEAN

LOCATION - LAT 49 29 12 N
LONG 109 21 08 W

REGULATED SINCE 1940

INTERNATIONAL GAUGING STATION

CYPRESS LAKE EAST OUTFLOW CANAL - STATION NO. 11AC060

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1940	---	0.091 ON JUL 20	0 ON MAR 01 *	179	1940
1941	---	0 ON MAR 01	0 ON MAR 01	0	1941
1942	---	0 ON MAR 01	0 ON MAR 01	0	1942
1943	---	1.01 ON SEP 22	0 ON MAR 01	5 570	1943
1944	---	0.954 ON JUL 25	0 ON MAR 01	1 030	1944
1945	---	1.34 ON AUG 04	0 ON MAR 01	3 590	1945
1946	---	1.13 ON JUL 06	0 ON MAR 01	1 660	1946
1947	---	0.850E ON MAY 18	0 ON MAR 01	1 300	1947
1948	---	0.320 ON JUL 08	0 ON MAR 01	744	1948
1949	---	1.78 ON MAY 30	0 ON MAR 01	8 330	1949
1950	---	0.765E ON MAY 12	0 ON MAR 01	728	1950
1951	---	0.425B ON APR 29	0 B ON MAR 01	857	1951
1952	---	5.72 B ON APR 19 *	0 B ON MAR 01	9 460	1952
1953	---	2.15 ON JUN 04	0 B ON MAR 01	2 960	1953
1954	---	1.13 ON AUG 06	0 ON MAY 29	2 870	1954
1955	---	4.62 ON MAY 06	0.014 ON JUN 23	12 300	1955
1956	---	4.67 ON JUN 15	0.014 ON AUG 22	4 570	1956
1957	---	5.52 ON JUN 09	0.006 ON JUL 12	7 460	1957
1958	---	4.87 ON JUN 10	0 ON MAY 24	8 050	1958
1959	---	2.69 ON JUN 28	0 ON SEP 14	5 000	1959
1960	---	2.27 ON JUN 14	0 ON APR 15	6 500	1960
1961	---	3.48 ON MAY 01	0 ON JUN 09	8 100	1961
1962	---	0.422 ON JUN 20	0 ON JUL 10	879	1962
1963	---	0.068B ON MAR 22	0 E ON JUN 17	259	1963
1964	---	1.26 ON APR 28	0 B ON MAR 19	1 810	1964
1965	---	0.985 ON JUN 05	0 ON MAY 13	2 240	1965
1966	---	2.19 ON JUN 07	0.006 ON MAY 17	2 720	1966
1967	---	3.65 ON MAY 25	0 ON AUG 08	5 980	1967
1968	---	1.49 ON JUN 11	0 B ON MAR 01	4 180	1968
1969	---	1.70 ON APR 06	0 ON JUL 06	3 230	1969
1970	---	2.40 ON JUN 12	0 B ON APR 10	5 700	1970
1971	---	3.85 ON APR 24	0 B ON APR 11	7 640	1971
1972	---	5.30 ON JUN 09	0.005 ON AUG 13	10 400	1972
1973	---	4.47 ON MAY 06	0 ON JUL 31	10 300	1973
1974	---	2.02 ON JUL 24	0 B ON APR 02	3 000	1974
1975	---	1.59 ON MAY 07	0.003 ON AUG 18	2 230	1975
1976	---	1.06 B ON MAR 18	0 B ON MAR 27	1 610	1976
1977	---	5.58 ON APR 09	0.001 ON AUG 26	20 900	1977
1978	---	0.402 ON MAY 13	0 B ON APR 01	1 250	1978
1979	---	0.387 ON JUL 22	0.008 ON SEP 29	1 210	1979
1980	---	2.95 ON JUN 13	0.002 ON JUN 01	10 200	1980
1981	---	0.461 ON JUL 14	0 ON AUG 19	593	1981
1982	---	0.666 ON MAY 20	0 ON AUG 08	1 290	1982
1983	---	1.11 ON JUL 11	0 B ON MAR 13	1 680	1983
1984	---	0.362 ON JUN 26	0 ON JUL 09	332	1984
1985	---	0.798B ON APR 08	0 ON JUL 06	1 420	1985
1986	---	0.582 ON JUN 24	0 ON AUG 13	1 450	1986
1987	---	0.618B ON MAR 26	0 B ON MAR 11	884	1987
1988	---	0.719 ON APR 08	0 ON JUL 26	1 440	1988
1989	---	0.336 ON MAY 31	0 B ON MAR 01	689	1989
1990	---	0.874E ON MAY 25	0.002 ON JUL 14	1 880	1990
				3 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CYPRESS LAKE WEST INFLOW CANAL - STATION NO. 11AB078

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	1.34	1.29	0.268	0.121	0.035	0.005	0.003	0.018	---	---	0.383	1939
1940	---	---	0.026	3.37	1.12	0.312	0.081	0.050	0.016	0.004	---	---	0.615	1940
1941	---	---	1.89	0.988	0.005	0.015	0.021	0.035	0.007	0.032	---	---	0.374	1941
1942	---	---	0.034	2.46	0.239	2.18	0.655	0.168	0.063	0.002	---	---	0.714	1942
1943	---	---	2.58	2.75	0.061	0.006	0.003	0.003	0.002	0	---	---	0.673	1943
1944	---	---	0.176	1.06	0.022	0.013	0.031	0.003	0.003	0.009	---	---	0.162	1944
1945	---	---	0.607	0.216	0.021	0.029	0.017	0.005	0.005	0.011	---	---	0.114	1945
1946	---	---	1.30	0.309	0.008	0.106	0.014	0.003	0.006	0.033	---	---	0.224	1946
1947	---	---	0.147	2.14	0.012	0.014	0.012	0.075	0.002	0.003	---	---	0.296	1947
1948	---	---	0.005	4.38	0.708	0.123	0.147	0.055	0.006	0.016	---	---	0.669	1948
1949	---	---	0.056	0.421	0.047	0.040	0.020	0.005	0	0.005	---	---	0.073	1949
1950	---	---	0	2.94	0.183	0.030	0.025	0.072	0.024	0.029	---	---	0.406	1950
1951	---	---	0.006	3.41	1.97	0.262	0.236	0.095	0.105	0.084	---	---	0.765	1951
1952	---	---	0	2.32	1.01	0.452	0.323	0.021	0.008	0.003	---	---	0.512	1952
1953	---	---	0.038	1.12	1.46	0.722	0.027	0.006	0	0.002	---	---	0.419	1953
1954	---	---	0	1.37	0.743	0.017	0.010	0.003	0.004	0.001	---	---	0.267	1954
1955	---	---	0.016	0.168	0.008	0.006	0.006	0.008	0.006	0.003	---	---	0.027	1955
1956	---	---	0.005	1.65	0.209	0.008	0.008	0.008	0.008	0.268	---	---	0.267	1956
1957	---	---	0	1.58	0.469	0.129	0.117	0.099	0	0	---	---	0.540	1957
1958	---	---	0.128	4.27	0.011	0.001	0.005	0	0.001	0	---	---	0.541	1958
1959	---	---	0.413	2.65	0.543	0.365	0.257	0	0	0	---	---	0.523	1959
1960	---	---	2.67	1.82	1.43	0.592	0.163	0	0	0	---	---	0.835	1960
1961	---	---	0.257	0	0	0	0	0	0	0	---	---	0.032	1961
1962	---	---	0.176	0.216	0	0.019	0.002	0	0	0	---	---	0.051	1962
1963	---	---	0.268	0.222	0.010	0.003	0.465	0.003	0	0	---	---	0.122	1963
1964	---	---	0	0.063	0.660	0.003	0.002	0	0	0	---	---	0.092	1964
1965	---	---	0	6.76	1.04	1.77	1.71	0.002	0.626	0.223	---	---	1.50	1965
1966	---	---	2.85	2.59	1.39	0.288	0.246	0.287	0.304	0.003	---	---	0.994	1966
1967	---	---	0	3.06	2.15	0.382	0.480	0.224	0	0	---	---	0.782	1967
1968	---	---	1.20	0.225	0.109	0.538	0.248	0.004	0	0	---	---	0.290	1968
1969	---	---	0	4.60	0.148	0.018	0.152	0.040	0	0	---	---	0.609	1969
1970	---	---	0.058	4.03	0.953	0.518	0.245	0	0.008	0	---	---	0.717	1970
1971	---	---	0	2.57	0.009	0.958	0.004	0	0	0	---	---	0.434	1971
1972	---	---	2.26	0.006	0.041	0.789	0.198	0.099	0.025	0	---	---	0.429	1972
1973	---	---	0.163	0.145	0.174	0.374	0.012	0	0	0	---	---	0.108	1973
1974	---	---	0.024	1.34	1.50	0.237	0.095	0.002	0	0	---	---	0.398	1974
1975	---	---	0.061	1.08	5.75	0.859	0.085	0.217	0.368	0.001	---	---	1.06	1975
1976	---	0.070	1.57	1.85	0.002	0.503	0.095	0	0	0	---	---	0.499	1976
1977	---	---	0.283	0.040	0.050	0.084	0	0	0	0.027	---	---	0.061	1977
1978	---	---	0.162	1.90	0.492	0.001	0.138	0	0.296	0.214	---	---	0.396	1978
1979	---	---	1.89	3.80	1.18	0.018	0.267	0.123	0.008	0	---	---	0.907	1979
1980	---	---	0.108	0.434	0.002	0.145	0	0	0	0	---	---	0.085	1980
1981	---	---	0.016	0	0.242	0.458	0	0	0	0	---	---	0.089	1981
1982	---	---	0	1.27	0.130	1.82	0.153	0	0	0	---	---	0.415	1982
1983	---	---	0.452	0.244	1.64	0.025	0.473	0	0	0	---	---	0.158	1983
1984	---	---	0.042	0.014	0	0	0	0	0	0	---	---	0.007	1984
1985	---	---	0.056	1.94	0	0	0	0	0.081	0.126	---	---	0.271	1985
1986	---	1.10	2.55	0.357	1.74	0.355	0.208	0.005	1.71	1.01	---	---	0.994	1986
1987	---	0.522	2.57	2.32	0.016	0.082	0.107	0.190	0.111	0	---	---	0.672	1987
1988	---	---	0.064	0.131	0	0	0	0	0	0	---	---	0.024	1988
1989	---	---	0	0.037	0.062	0.483	0.022	0	0	0	---	---	0.074	1989
1990	---	0	0.465	0.427	0.003	0.369	0	0.003	0	0	---	---	0.157	1990
MEAN	---	0.423	0.557	1.66	0.582	0.316	0.147	0.037	0.073	0.041	---	---	0.424	MEAN

LOCATION - LAT 49 28 18 N
LONG 109 37 08 W

REGULATED

INTERNATIONAL GAUGING STATION

CYPRESS LAKE WEST INFLOW CANAL - STATION NO. 11AB078

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	5.58 ON MAR 22	0 E ON MAR 01 *	8 110	1939
1940	---	19.5 ON APR 23	0 B ON MAR 01	13 000	1940
1941	---	5.58 B ON MAR 21	0 B ON MAR 01	7 930	1941
1942	---	19.1 ON JUN 27	0 ON MAR 19	15 100	1942
1943	---	16.6 B ON MAR 31	0 ON MAR 01	14 200	1943
1944	---	3.91 B ON APR 02	0 ON JUL 07	3 440	1944
1945	---	2.89 B ON MAR 29	0.003E ON AUG 17	2 420	1945
1946	---	10.7 B ON MAR 29	0 ON AUG 20	4 740	1946
1947	---	8.83 B ON APR 14	0 B ON MAR 01	6 260	1947
1948	---	16.7 ON APR 25	0 B ON MAR 01	14 200	1948
1949	---	1.70 B ON APR 09	0 ON MAR 01	1 550	1949
1950	---	12.0 B ON APR 22	0 B ON MAR 01	8 590	1950
1951	---	14.2 B ON APR 28	0 B ON MAR 01	16 200	1951
1952	---	9.23 B ON APR 14	0 B ON MAR 01	10 800	1952
1953	---	6.91 ON MAY 09	0 B ON MAR 01	8 870	1953
1954	---	4.05 B ON APR 15	0 B ON MAR 01	5 640	1954
1955	---	1.33 B ON APR 12	0 B ON MAR 01	578	1955
1956	---	4.22 B ON APR 16	0 B ON MAR 01	5 640	1956
1957	---	10.3 ON APR 30	0 B ON MAR 01	11 400	1957
1958	---	11.9 B ON APR 03	0 B ON MAR 01	11 400	1958
1959	---	7.42 ON APR 15	0 B ON MAR 01	11 100	1959
1960	---	11.2 ON MAR 30	0 B ON MAR 01	17 700	1960
1961	---	0.903 ON MAR 19	0 B ON MAR 01	687	1961
1962	---	1.10 B ON MAR 30	0 B ON MAR 01	1 090	1962
1963	---	3.54 ON JUL 04	0 B ON MAR 01	2 580	1963
1964	---	5.15 ON MAY 05	0 B ON MAR 01	1 940	1964
1965	---	25.0 ON APR 27 *	0 B ON MAR 01	31 700	1965
1966	---	19.8 ON MAR 31	0 B ON MAR 01	21 000	1966
1967	---	14.9 ON MAY 09	0 B ON MAR 01	16 600	1967
1968	---	2.13 B ON MAR 27	0 ON AUG 25	6 150	1968
1969	---	14.6 B ON APR 08	0 B ON MAR 01	12 900	1969
1970	---	17.2 ON APR 11	0 B ON MAR 01	15 200	1970
1971	---	9.20 ON APR 24	0 B ON MAR 01	9 180	1971
1972	---	17.9 B ON MAR 19	0 B ON MAR 01	9 080	1972
1973	---	2.77 ON JUN 22	0 B ON MAR 01	2 280	1973
1974	---	5.80 ON MAY 25	0 B ON MAR 01	8 420	1974
1975	---	17.8 ON MAY 07	0 B ON MAR 01	22 400	1975
1976	---	8.64 ON APR 07	0 ON MAY 13	10 600	1976
1977	---	0.841B ON MAR 12	0 B ON MAR 01	1 290	1977
1978	---	6.06 ON APR 25	0 B ON MAR 01	8 380	1978
1979	---	17.9 B ON APR 19	0 B ON MAR 01	19 200	1979
1980	---	3.56 ON APR 15	0 B ON MAR 01	1 800	1980
1981	---	4.29 ON JUN 16	0 ON APR 02	1 880	1981
1982	---	8.32 ON JUN 06	0 B ON MAR 01	8 780	1982
1983	---	4.82 ON MAY 18	0 B ON MAR 01	7 580	1983
1984	---	0.313B ON MAR 28	0 B ON MAR 01	149	1984
1985	---	16.8 ON APR 16	0 B ON MAR 01	5 730	1985
1986	---	13.2 A ON SEP 25	0 ON APR 08	21 000	1986
1987	---	6.73 ON APR 06	0 ON MAY 10	14 200	1987
1988	---	1.96 ON APR 06	0 B ON MAR 01	511	1988
1989	---	1.21 ON JUN 14	0 B ON MAR 01	1 570	1989
1990	---	3.50 ON APR 02	0 ON APR 20	3 320	1990
				8 960	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CYPRESS LAKE WEST INFLOW CANAL DRAIN - STATION NO. 11AB085

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0	3.47	1.26	0.129	0.011	0.009	0.005	0.001	---	---	0.603	1955
1956	---	---	0.028	0.026	0.047	0.001	0	0	0	0.263	---	---	0.046	1956
1957	---	---	0	0.039	0.177	0.135	0.115	0.092	0.002	0.011	---	---	0.071	1957
1958	---	---	0.051	0.051	0.010	0.001	0.003	0	0	0	---	---	0.014	1958
1959	---	---	0.031	0.047	0.480	0.364	0.286	0	0	0	---	---	0.151	1959
1960	---	---	0.042	0.010	0.267	0.573	0.150	0	0	0	---	---	0.130	1960
1961	---	---	0.023	0.001	0	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0.008	0.112	0	0.013	0	0	0	0	---	---	0.016	1962
1963	---	---	0.030	0.004	0.001	0.001	0.005	0.001	0.001	0	---	---	0.005	1963
1964	---	---	0	0.037	0	0	0	0	0	0	---	---	0.005	1964
1965	---	---	0	0.011	0.043	0.101	0.003	0.001	0.001	0.006	---	---	0.021	1965
1966	---	---	0.012	0.005	0.175	0.074	0.002	0.206	0.283	0.006	---	---	0.095	1966
1967	---	---	0	0.060	1.93	0.144	0.496	0.039	0.006	0.001	---	---	0.138	1967
1968	---	---	0.007	0.002	0.272	0.001	0.019	0.003	0.001	0	---	---	0.039	1968
1969	---	---	0	0.001	0.399	0.131	0.024	0.041	0	0	---	---	0.075	1969
1970	---	---	0.053	0.030	0.324	0.382	0.182	0.004	0.002	0	---	---	0.122	1970
1971	---	---	0	0.003	0.616	0	0.227	0.001	0	0	---	---	0.107	1971
1972	---	---	0	0	0.001	0.012	0.120	0.094	0.025	0	---	---	0.032	1972
1973	---	---	0.163	0.013	0.004	0.001	0	0	0	0	---	---	0.023	1973
1974	---	---	0.001	0.010	0.004	0.001	0	0.001	0	0	---	---	0.002	1974
1975	---	---	0.061	0.023	0.003	0	0.004	0.021	0.005	0.001	---	---	0.015	1975
1976	---	---	0.185	0.002	0	0	0	0	0	0	---	---	0.024	1976
1977	---	---	0.167	0.006	0.001	0.003	0	0	0	0.001	---	---	0.022	1977
1978	---	---	0.008	0.019	0.001	0.001	0.001	0	0.001	0.001	---	---	0.004	1978
1979	---	---	0.002	0.001	0.001	0.001	0.001	0.002	0.001	0	---	---	0.001	1979
1980	---	---	0.108	0.044	0	0	0	0	0	0	---	---	0.019	1980
1981	---	---	0.015	0	0.001	0.002	0.001	0	0	0	---	---	0.002	1981
1982	---	---	0	0.011	0.001	0.001	0.002	0	0	0	---	---	0.002	1982
1983	---	---	0.010	0.001	0.024	0.001	0.002	0	0	0	---	---	0.006	1983
1984	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.011	0.001	0	0	0	0	0	0.002	---	---	0.002	1985
1986	---	---	0	0	0.477	0.027	0.004	0.001	0.003	0.001	---	---	0.065	1986
1987	---	0.265	0.169	0.002	0.001	0.001	0.002	0.002	0.002	0	---	---	0.023	1987
1988	---	---	0.034	0.001	0	0	0	0	0	0	---	---	0.004	1988
1989	---	---	0	0.002	0.001	0.005	0.001	0	0	0	---	---	0.001	1989
1990	---	---	0.012	0.002	0	0.002	0	0.001	0	0	---	---	0.002	1990
MEAN	---	0.265	0.034	0.112	0.181	0.059	0.046	0.014	0.009	0.008	---	---	0.058	MEAN

LOCATION - LAT 49 28 25 N
LONG 109 36 38 W
REGULATED
INTERNATIONAL GAUGING STATION

CYPRESS LAKE WEST INFLOW CANAL DRAIN - STATION NO. 11AB085

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	12.7 E ON APR 20 *	0 ON MAR 01 *	12 800	1955
1956	---	0.949 ON OCT 16	0 ON JUN 04	973	1956
1957	---	0.691 ON MAY 08	0B ON MAR 01	1 510	1957
1958	---	1.13 B ON MAR 31	0B ON MAR 01	307	1958
1959	---	0.889 ON JUL 09	0B ON MAR 01	3 200	1959
1960	---	1.36 ON MAY 31	0 ON MAR 01	2 740	1960
1961	---	0.198B ON MAR 14	0B ON MAR 01	64.6	1961
1962	---	0.566 ON APR 20	0B ON MAR 01	347	1962
1963	---	0.266B ON MAR 25	0B ON MAR 01	115	1963
1964	---	0.232 ON APR 04	0B ON MAR 01	96.4	1964
1965	---	0.552 ON JUN 23	0B ON MAR 01	436	1965
1966	---	0.816 ON MAY 25	0E ON MAR 01	2 010	1966
1967	---	5.27 ON MAY 17	0B ON MAR 01	7 150	1967
1968	---	0.850 ON MAY 07	0 ON AUG 09	819	1968
1969	---	1.45 ON MAY 21	0B ON MAR 01	1 580	1969
1970	---	2.45 ON MAY 09	0B ON MAR 01	2 580	1970
1971	---	1.83 ON MAY 17	0B ON MAR 01	2 270	1971
1972	---	0.354 ON AUG 14	0B ON MAR 01	671	1972
1973	---	0.753B ON MAR 18	0B ON MAR 01	482	1973
1974	---	0.059 ON MAY 07	0B ON MAR 01	45.0	1974
1975	---	0.195B ON MAR 19	0B ON MAR 01	315	1975
1976	---	0.357B ON MAR 16	0 ON APR 11	500	1976
1977	---	0.368B ON MAR 05	0B ON MAR 01	474	1977
1978	---	0.088B ON APR 04	0B ON MAR 01	83.0	1978
1979	---	0.030B ON MAR 15	0B ON MAR 01	22.8	1979
1980	---	0.643B ON MAR 28	0B ON MAR 01	404	1980
1981	---	0.057E ON MAR 12	0A ON MAR 22	50.0	1981
1982	---	0.045B ON APR 14	0B ON MAR 01	39.2	1982
1983	---	0.372 ON MAY 21	0B ON MAR 20	123	1983
1984	---	0.004B ON MAR 28	0B ON MAR 01	4.32	1984
1985	---	0.094B ON MAR 22	0B ON MAR 01	37.4	1985
1986	---	1.91 ON MAY 22	0B ON MAR 05	1 370	1986
1987	---	0.982B ON MAR 05	0 ON MAY 19	479	1987
1988	---	0.130B ON MAR 15	0B ON MAR 01	93.3	1988
1989	---	0.017 ON APR 18	0B ON MAR 01	24.1	1989
1990	---	0.032B ON MAR 05	0 ON MAY 04	43.0	1990
MEAN				1 230	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO. 11AB077

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1940	---	---	0	0	0	0	0.075	0.010	0	0	---	---	0.011	1940
1941	---	---	0	0.081	0	0	0	0.050	0.095	0	---	---	0.028	1941
1942	---	---	0	0.214	0.001	0	0.036	0.055	0	0	---	---	0.038	1942
1943	---	---	0	0.042	0	0	0.229	0.439	0.198	0.184	---	---	0.137	1943
1944	---	---	0.012	0.036	0.084	0.078	0.071	0.355	0.182	0.016	---	---	0.104	1944
1945	---	---	0.067	0.004	0.088	0.303	0.295	0.228	0	0.032	---	---	0.127	1945
1946	---	---	0.147	0.004	0.086	0.516	0.396	0.331	0	0	---	---	0.185	1946
1947	---	---	0	0.088	0.081	0.330	0.449	0.023	0	0	---	---	0.121	1947
1948	---	---	0	0.111	0.141	0.331	1.21	0.144	0.156	0.083	---	---	0.272	1948
1949	---	---	0	0.158	1.22	1.06	0.694	0.249	0.115	0.143	---	---	0.455	1949
1950	---	---	0	0.033	0.035	0.308	0.669	0.243	0	0.058	---	---	0.169	1950
1951	---	---	0	0	0.485	0.028	0.548	0.663	0	0	---	---	0.218	1951
1952	---	---	0	0.404	0	0.143	0.441	0.325	0.002	0	---	---	0.164	1952
1953	---	---	0	0.033	0.121	0.032	0.800	0.538	0.110	0.007	---	---	0.207	1953
1954	---	---	0	0.022	0.154	0.256	0.740	0.308	0.005	0	---	---	0.187	1954
1955	---	---	0	0.072	0.434	0.142	0.018	0.399	0.143	0.232	---	---	0.181	1955
1956	---	---	0	0.009	0.300	1.40	0.720	0.582	0.276	0.041	---	---	0.415	1956
1957	---	---	0	0.294	0.568	0.464	1.36	0.548	0.209	0	---	---	0.431	1957
1958	---	---	0.003	0.439	0.855	1.05	1.27	0.655	0.356	0.001	---	---	0.578	1958
1959	---	---	0	0.047	1.10	1.25	0.592	0.628	0.228	0	---	---	0.480	1959
1960	---	---	0	0.835	0.095	1.49	1.57	0.511	0.014	0.014	---	---	0.563	1960
1961	---	---	0.003	0.208	1.30	0.973	1.48	0.055	0.021	0.106	---	---	0.520	1961
1962	---	---	0.004	0.043	1.31	0.511	0.153	0	0.006	0.041	---	---	0.260	1962
1963	---	---	0.010	0.408	1.35	0.341	0.059	0.002	0	0	---	---	0.272	1963
1964	---	---	0	0.023	0.412	1.06	0.001	0	0	0	---	---	0.185	1964
1965	---	---	0	0.057	1.90	0.628	0.004	0.887	0.002	0	---	---	0.437	1965
1966	---	---	0	0.576	1.08	0.395	0.830	0.482	0.005	0.001	---	---	0.422	1966
1967	---	---	0	0.169	0.549	0.897	1.47	1.07	0.001	0	---	---	0.521	1967
1968	---	---	0.085	0.095	1.51	0.072	2.21	0.106	0.001	0	---	---	0.515	1968
1969	---	---	0	0.302	1.06	0.358	1.70	0.709	0	0.002	---	---	0.520	1969
1970	---	---	0	0.397	1.49	1.14	1.45	0.051	0.001	0.002	---	---	0.566	1970
1971	---	---	0	0.511	1.23	0.733	1.69	0.573	0.002	0.003	---	---	0.595	1971
1972	---	---	0.159	0.008	2.12	0.092	1.70	0.356	0	0.001	---	---	0.561	1972
1973	---	---	0.011	0.016	2.06	0.019	2.06	0.622	0	0	---	---	0.606	1973
1974	---	---	0	0.278	0.608	2.53	1.65	0.093	0	0	---	---	0.642	1974
1975	---	---	0	0.114	0.321	2.53	1.32	0.315	0.003	0.002	---	---	0.571	1975
1976	---	---	0.080	0.161	2.09	0.119	1.59	0.154	0.001	0.003	---	---	0.529	1976
1977	---	---	0.003	0.002	1.97	0.595	1.88	0.003	0.003	0.001	---	---	0.561	1977
1978	---	---	0	0.002	0.201	2.09	0.043	0.002	0.002	0.002	---	---	0.298	1978
1979	---	---	0.007	0.776	0.518	1.41	1.62	0.004	0.001	0.002	---	---	0.540	1979
1980	---	---	0.002	0.009	2.49	0.019	1.59	0.024	0	0	---	---	0.523	1980
1981	---	---	0.002	0.393	2.14	0.045	0.146	0.003	0.011	0.022	---	---	0.347	1981
1982	---	---	0	0.003	0.013	1.46	0.095	0	0	0	---	---	0.193	1982
1983	---	---	0.001	0.011	1.92	0.762	0.078	0	0	0	---	---	0.347	1983
1984	---	---	0.001	0.002	1.34	0.027	0.022	0.001	0	0	---	---	0.176	1984
1985	---	---	0.001	0.049	0.603	1.55	0.270	0.001	0	0	---	---	0.306	1985
1986	---	0	0.140	0.016	1.18	1.63	0.032	0	0.063	0.003	---	---	0.381	1986
1987	---	0	0.079	0.267	1.75	0.243	0.068	0.001	0.001	0.001	---	---	0.303	1987
1988	---	---	0.001	0.005	2.25	0.027	0.041	0	0.137	0.030	---	---	0.315	1988
1989	---	---	0	0.008	2.44	0.074	0.001	0	0.001	0	---	---	0.319	1989
1990	---	---	0.008	0.117	1.74	0.207	0.022	0	0	0	---	---	0.264	1990
MEAN	---	0	0.016	0.156	0.919	0.622	0.734	0.251	0.046	0.020	---	---	0.346	MEAN

LOCATION - LAT 49 28 14 N
LONG 109 35 18 W

REGULATED

INTERNATIONAL GAUGING STATION

CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO. 11AB077

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1940	---	0.102 ON JUL 08	0 ON MAR 01 *	226	1940
1941	---	0.450E ON AUG 29	0 ON MAR 01	591	1941
1942	---	1.59 ON APR 23	0 ON MAR 01	801	1942
1943	---	0.852 ON AUG 16	0 ON MAR 01	2 900	1943
1944	---	0.538 ON JUL 28	0B ON MAR 01	2 210	1944
1945	---	0.838 ON AUG 09	0 ON MAR 01	2 700	1945
1946	---	1.12 ON MAR 27	0 ON MAR 01	3 920	1946
1947	---	0.804 ON JUL 24	0 ON MAR 01	2 570	1947
1948	---	1.50 ON JUL 08	0 ON MAR 01	5 770	1948
1949	---	1.87 ON MAY 23	0 ON MAR 01	9 630	1949
1950	---	1.05 ON JUL 25	0 ON MAR 01	3 580	1950
1951	---	8.61 ON MAY 04 *	0B ON MAR 01	4 620	1951
1952	---	1.42 B ON APR 16	0B ON MAR 01	3 480	1952
1953	---	1.67 ON JUL 25	0B ON MAR 01	4 380	1953
1954	---	1.81 ON JUL 23	0B ON MAR 01	3 950	1954
1955	---	1.93 A ON MAY 03	0B ON MAR 01	3 830	1955
1956	---	2.12 ON JUN 14	0B ON MAR 01	8 780	1956
1957	---	2.38 ON JUL 19	0B ON MAR 01	9 130	1957
1958	---	2.55 ON APR 22	0B ON MAR 01	12 200	1958
1959	---	1.90 ON MAY 26	0B ON MAR 01	10 200	1959
1960	---	2.27 ON JUL 26	0 ON MAR 01	11 900	1960
1961	---	2.21 ON JUL 16	0B ON MAR 01	11 000	1961
1962	---	2.77 ON MAY 18	0B ON MAR 01	5 500	1962
1963	---	2.23 ON MAY 10	0B ON MAR 01	5 760	1963
1964	---	1.97 ON JUN 18	0 ON MAR 01	3 910	1964
1965	---	3.31 A ON MAY 04	0B ON MAR 01	9 260	1965
1966	---	3.14 ON JUL 28	0 ON MAR 01	8 940	1966
1967	---	2.97 ON JUL 22	0B ON MAR 01	11 000	1967
1968	---	4.19 ON JUL 16	0B ON MAR 01	10 900	1968
1969	---	4.62 ON JUL 23	0B ON MAR 01	11 000	1969
1970	---	4.47 ON JUL 20	0B ON MAR 01	12 000	1970
1971	---	4.05 ON JUL 22	0B ON MAR 01	12 600	1971
1972	---	4.98 ON MAY 12	0B ON MAR 01	11 900	1972
1973	---	3.94 ON MAY 12	0 ON JUN 12	12 800	1973
1974	---	5.30 ON JUN 12	0B ON MAR 01	13 600	1974
1975	---	5.04 ON JUN 11	0B ON MAR 01	12 100	1975
1976	---	4.64 ON MAY 18	0B ON MAR 01	11 200	1976
1977	---	4.08 ON MAY 17	0B ON MAR 01	11 900	1977
1978	---	4.08 ON MAY 31	0B ON MAR 01	6 310	1978
1979	---	4.71 ON JUL 20	0B ON MAR 01	11 400	1979
1980	---	5.09 ON MAY 18	0B ON MAR 01	11 100	1980
1981	---	2.91 ON APR 27	0B ON MAR 01	7 350	1981
1982	---	2.64 ON JUN 14	0B ON MAR 01	4 090	1982
1983	---	2.51 ON MAY 20	0B ON MAR 11	7 350	1983
1984	---	2.13 ON MAY 02	0B ON MAR 01	3 720	1984
1985	---	2.17 ON JUN 23	0B ON MAR 01	6 480	1985
1986	---	3.51 ON MAY 26	0B ON MAR 01	8 060	1986
1987	---	5.42 ON MAY 19	0B ON MAR 01	6 420	1987
1988	---	4.75 ON MAY 12	0B ON MAR 01	6 670	1988
1989	---	3.66 ON MAY 09	0B ON MAR 01	6 760	1989
1990	---	3.13 ON MAY 24	0B ON MAR 04	5 590	1990
				7 330	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DAFOE BROOK NEAR DAFOE - STATION NO. 05MA018

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.245	0.157	0	0	0	0	0	0	---	---	0.050	1966
1967	---	---	0	0.989	0.051	0	0	0	0	---	---	---	---	1967
1968	---	---	0.111	0.003	0	0	0	0	0	0	---	---	0.014	1968
1969	---	---	0	0.188	0.008	0	0	0	0	0	---	---	0.024	1969
1970	---	---	0.006	0.385	0.009	0	0	0	0	0	---	---	0.049	1970
1971	---	---	0	0.255	0	0	0	0	0	0	---	---	0.031	1971
1972	---	---	0.071	0.149	0.004	0	0	0	0	0	---	---	0.028	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	---	---	---	---	---	---	---	---	---	---	---	1974
MEAN	---	---	0.054	0.266	0.009	0	0	0	0	0	---	---	0.028	MEAN

LOCATION - LAT 51 45 03 N, LONG 104 30 47 W
DRAINAGE AREA, 106 km^2
REGULATED
DATA CONTRIBUTED BY - SASKATCHEWAN RESEARCH COUNCIL

DAFOE BROOK NEAR DAFOE - STATION NO. 05MA018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	3.45 ON MAR 30 *	0E ON MAR 01 *	1 060	1966
1967	---	---	---	---	1967
1968	---	0.620 ON MAR 07	0E ON MAR 01	304	1968
1969	---	1.07 ON APR 10	0E ON MAR 01	508	1969
1970	---	2.50 ON APR 06	0B ON MAR 01	1 040	1970
1971	---	2.44 ON APR 10	0E ON MAR 01	660	1971
1972	---	0.569 ON MAR 22	0E ON MAR 01	587	1972
1973	---	0 ON MAR 01	0 ON MAR 01	0	1973
1974	---	2.61 ON APR 19	---	---	1974
				594	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DAVIS CREEK AT DRURY'S RANCH - STATION NO. 11AC004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	0.548	0.058	0.036	0.017	---	---	---	1909
1911	---	---	---	---	0.365	0.127	---	---	0.146	---	---	---	---	1911
1912	---	---	---	---	0.755	0.208	0.047	0.040	0.021	0.054	---	---	---	1912
1913	---	---	---	2.19	0.226	0.078	0.082	0.044	0.006	0.002	---	---	---	1913
1914	---	---	---	1.23	0.206	---	0.052	---	---	---	---	---	---	1914
1915	---	---	---	1.64	0.192	0.476	0.409	0.071	0.036	0.078	---	---	---	1915
1916	---	---	2.84	0.738	0.949	1.36	---	0.390	0.137	0.380	---	---	---	1916
1917	---	---	---	---	---	0.232	0.027	0.193	0.222	0	---	---	---	1917
1918	---	---	---	2.20	0.280	0.079	0.033	0.010	0.002	0.001	---	---	---	1918
1919	---	---	---	0.839	0.156	0.043	0.030	0.003	0	0	---	---	---	1919
1920	---	---	0.009	2.83	2.25	0.058	0.041	0.012	0.002	0.001	---	---	0.647	1920
1921	---	---	0.191	1.55	0.290	0.062	0.028	0.007	0.002	0.001	---	---	0.262	1921
1922	---	---	0.035	3.42	1.48	0.095	0.063	0.018	0.006	0.001	---	---	0.633	1922
1923	---	---	0.006	1.18	0.219	0.209	0.076	0.032	0.002	0.005	---	---	0.213	1923
1924	---	---	0.004	0.820	0.169	0.105	0.100	0.018	0.003	0	---	---	0.175	1924
1925	---	---	0.017	3.24	0.185	0.210	0.042	0.009	0.001	0	---	---	0.455	1925
1926	---	---	1.80	0.766	0.094	0.042	0.011	0.002	0	0	---	---	0.341	1926
1927	---	---	0.022	3.54	2.03	0.632	0.127	0.037	0.008	0.014	---	---	0.793	1927
1928	---	---	1.01	0.725	0.211	0.219	0.140	0.036	0.004	0.010	---	---	0.294	1928
MEAN	---	---	0.593	1.79	0.592	0.261	0.109	0.058	0.035	0.033	---	---	0.424	MEAN

LOCATION - LAT 49 30 25 N LONG 109 20 00 W
DRAINAGE AREA, 116 km²
NATURAL FLOW

DAVIS CREEK AT DRURY'S RANCH - STATION NO. 11AC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	----	1909
1911	---	---	---	---	1911
1912	---	15.0 ON APR 10	---	---	1912
1913	---	7.33 ON APR 06	---	---	1913
1914	---	4.36B ON APR 06	0 ON SEP 21 *	---	1914
1915	---	10.9 ON APR 03	---	---	1915
1916	---	11.1 ON MAR 22	---	---	1916
1917	---	---	0 ON JUL 12	---	1917
1918	---	8.52 ON APR 10	0 ON OCT 12	---	1918
1919	4.87 AT 03:00 MST ON APR 19	2.75 ON APR 19	0 ON AUG 23	---	1919
1920	13.5 AT 22:00 MST ON APR 19	11.2 ON APR 20	0 E ON OCT 12	13 700	1920
1921	13.0 AT 23:00 MST ON APR 13	8.27 ON APR 14	0 E ON SEP 20	5 560	1921
1922	21.1 AT 10:00 MST ON APR 23	17.0 ON APR 22	0.001 ON SEP 17	13 400	1922
1923	6.17B AT 16:00 MST ON APR 14	4.59 ON APR 17	0.001 ON SEP 16	4 520	1923
1924	21.1 AT 21:00 MST ON APR 06	7.67 ON APR 07	0 ON SEP 24	3 700	1924
1925	13.6 AT 22:00 MST ON APR 04	11.2 ON APR 05	0 ON SEP 20	9 630	1925
1926	12.9 AT 13:40 MST ON MAR 20	11.1 ON MAR 20	0 ON AUG 28	7 210	1926
1927	27.7 AT 22:00 MST ON APR 25 *	21.8 ON APR 25 *	0.006 ON SEP 13	16 800	1927
1928	12.6 B AT 20:00 MST ON MAR 21	8.21B ON MAR 21	0.003 ON SEP 07	6 230	1928
				8 970	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEAD RIVER NEAR KINISTINO - STATION NO. 05KA004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	0.131	0.006	0.090	0.069	0	0	---	---	---	---	1919
MEAN	---	---	---	0.131	0.006	0.090	0.069	0	0	---	---	---	---	MEAN

LOCATION - LAT 52 49 00 N LONG 105 05 00 W
DRAINAGE AREA, 321 km²
NATURAL FLOW

DEAD RIVER NEAR KINISTINO - STATION NO. 05KA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1919	---	1.02E ON JUN 28 *	0 ON MAR 13 *	---	1919
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DENNIEL CREEK EAST TRIBUTARY NEAR VAL MARIE - STATION NO. 11AC073

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.107	0.020	0	0	0	0	0	0	---	---	0.016	1989
1990	---	---	0.047	0	0	0	0	0	0	0	---	---	0.006	1990
MEAN	---	---	0.051	0.007	0	0	0	0	0	0	---	---	0.007	MEAN

LOCATION - LAT 49 15 42 N LONG 107 40 55 W
DRAINAGE AREA, 118 km²
NATURAL FLOW

DENNIEL CREEK EAST TRIBUTARY NEAR VAL MARIE - STATION NO. 11AC073

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01 *	0	1988
1989	1.34 B AT 11:41 CST ON MAR 29 *	0.900B ON MAR 29 *	0B ON MAR 01	338	1989
1990	0.762B AT 13:02 CST ON MAR 04	0.434B ON MAR 04	0 ON MAR 10	127	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		155	MEAN

DENNIEL CREEK NEAR VAL MARIE - STATION NO. 11AC025

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	0.001	0	0.006	0.009	---	---	---	1914
1915	---	---	---	0.774	0.014	0.017	0.010	0.005	0.007	0.008	---	---	---	1915
1916	---	---	---	3.03	0.309	0.329	1.24	0.054	0.018	0.019	---	---	---	1916
1917	---	---	---	3.62	0.734	0.055	0.006	0.001	0.012	0.012	---	---	---	1917
1918	---	---	---	0.141	0.020	0.010	0.003	0.003	0.003	0.006	---	---	---	1918
1919	---	---	0.014	0.897	0.004	0.001	0.002	0.001	0.002	0.003	---	---	0.113	1919
1920	---	---	0.943	0.333	0.019	0.003	0.002	0	0.001	0.002	---	---	0.164	1920
1921	---	---	0.411	0.014	0.007	0.004	0.017	0	0.001	0.003	---	---	0.058	1921
1922	---	---	0.004	1.98	0.130	0.009	0.020	0.003	0.001	0.001	---	---	0.264	1922
1923	---	---	0.040	0.609	0.015	2.75	0.775	0.012	0.005	0.006	---	---	0.519	1923
1924	---	---	0.028	0.925	0.041	0.015	0.001	0.002	0.003	0.011	---	---	0.126	1924
1925	---	---	3.81	1.21	0.036	0.104	0.018	0.006	0.013	0.018	---	---	0.654	1925
1926	---	---	2.28	0.020	0.009	0.005	0.001	0	0.001	0.001	---	---	0.293	1926
1927	---	---	0.399	3.46	0.947	0.380	0.027	0.011	0.024	0.041	---	---	0.653	1927
1928	---	---	3.08	0.530	0.030	0.134	0.022	0.009	0.009	0.016	---	---	0.492	1928
1929	---	---	0.080	0.072	0.009	0.005	0.001	0	0.001	0.004	---	---	0.021	1929
1930	---	0.816	2.07	1.28	0.017	0.004	0.003	0.008	0.003	0.009	---	---	0.425	1930
1931	---	---	0.022	0.015	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	---	0.006	---	---	---	1935
1936	---	---	0	0.956	0.023	0.010	---	---	---	---	---	---	---	1936
1937	---	---	0.003	0.202	0.002	0	0	0	0	0	---	---	0.025	1937
1963	---	---	---	0.045	0.009	0.172	0.024	0	0	0.005	---	---	---	1963
1964	---	---	---	0.015	0.004	0.002	0	0	0	0	---	---	---	1964
1965	---	---	---	3.30	0.848	0.128	0.053	0.051	0.027	0.013	---	---	---	1965
1966	---	---	---	---	---	0.008	0.004	0.001	0	0.003	---	---	---	1966
1967	---	---	---	3.55	1.93	0.023	0.004	0	0.002	0.010	---	---	---	1967
1968	---	---	---	0.011	0.005	0.003	0	0	0.001	0.003	---	---	---	1968
1969	---	---	---	3.44	0.441	0.005	0.006	0	0	0.001	---	---	---	1969
1970	---	---	---	4.41	1.10	0.140	0.004	0.001	0	0.006	---	---	---	1970
1971	---	---	---	---	0.066	0.007	0	0	0	0	---	---	---	1971
1972	---	---	0.401	0.025	0.005	0.003	0	0	0	0	---	---	0.055	1972
1973	---	---	0.403	0.009	0.003	0.033	0	0	0	0	---	---	0.056	1973
1974	---	---	1.80	2.67	1.11	0.039	0	0.002	0.002	0.002	---	---	0.701	1974
1975	---	---	0.001	1.02	0.691	0.007	0	0	0.001	0.003	---	---	0.214	1975
1976	---	---	3.99	0.470	0.009	0.007	0.003	0	0	0.001	---	---	0.365	1976
1977	---	---	0.006	0.047	0.004	0	0	0	0	0	---	---	0.007	1977
1978	---	---	1.96	0.876	0.021	0.028	0.028	0.003	0	0.001	---	---	0.365	1978
1979	---	---	0.077	2.44	0.196	0.011	0.189	0.001	0	0.003	---	---	0.359	1979
1980	---	---	1.18	0.729	0.002	0.003	0	0	0	0	---	---	0.239	1980
1981	---	0.187	0.015	0.004	0.002	0.004	0	0	0	0	---	---	0.003	1981
1982	---	---	1.76	3.71	0.162	0.419	0.007	0	0	0.004	---	---	0.750	1982
1983	---	---	1.00	0.451	0.068	0.003	0.003	0	0	0	---	---	0.191	1983
1984	---	---	0.004	0.002	0	0	0	0	0	0	---	---	0.001	1984
1985	---	---	0.158	0.256	0	0	0	0	0	0	---	---	0.051	1985
1986	---	1.24	3.18	0.015	0.212	0.003	0.015	0	0	0.005	---	---	0.434	1986
1987	---	---	2.00	0.474	0.008	0.001	0.006	0.006	0.001	0.001	---	---	0.314	1987
1988	---	---	0.005	0.004	0.002	0	0	0	0	0	---	---	0.001	1988
1989	---	---	0.571	0.167	0.001	0.074	0	0	0	0	---	---	0.102	1989
1990	---	---	0.527	0.004	0.004	0	0	0	0	0	---	---	0.068	1990
MEAN	---	0.748	0.948	1.07	0.206	0.108	0.054	0.004	0.003	0.005	---	---	0.259	MEAN

LOCATION - LAT 49 18 26 N LONG 107 42 12 W DRAINAGE AREA, 494 km² NATURAL FLOW

DENNIEL CREEK NEAR VAL MARIE - STATION NO. 11AC025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	4.47 ON APR 11	0 ON JUL 15 *	---	1914
1915	---	5.49 ON APR 03	---	---	1915
1916	---	8.50 B ON MAR 30	---	---	1916
1917	---	9.66 ON APR 11	0B ON APR 01	---	1917
1918	---	7.62 B ON MAR 22	0 ON AUG 04	---	1918
1919	---	4.45 ON APR 02	0 ON MAR 01	2 400	1919
1920	---	5.18 B ON MAR 23	0B ON MAR 01	3 460	1920
1921	---	1.98 B ON MAR 21	0 ON AUG 03	1 230	1921
1922	---	6.17 B ON APR 03	0 ON MAR 01	5 590	1922
1923	67.4 ON JUN 18 *	47.9 ON JUN 18 *	0B ON MAR 01	11 000	1923
1924	---	5.95 ON APR 04	0B ON MAR 08	2 660	1924
1925	---	25.3 B ON MAR 26	0B ON MAR 01	13 800	1925
1926	---	21.0 ON MAR 17	0 ON JUL 17	6 210	1926
1927	---	31.1 ON APR 04	0B ON MAR 01	13 800	1927
1928	---	21.1 B ON MAR 22	0B ON MAR 01	10 200	1928
1929	---	0.620B ON MAR 31	0B ON MAR 01	453	1929
1930	---	13.0 B ON MAR 12	0 ON JUL 08	8 990	1930
1931	---	---	0B ON MAR 11	---	1931
1935	---	---	---	---	1935
1936	---	7.79 E ON APR 18	0B ON MAR 01	---	1936
1937	---	2.52 ON APR 09	0B ON MAR 01	536	1937
1963	---	---	0 ON JUL 23	---	1963
1964	---	---	0 ON MAY 22	---	1964
1965	34.0 AT 02:00 MST ON APR 14	22.3 B ON APR 13	0B ON APR 01	---	1965
1966	---	---	0 ON JUL 12	---	1966
1967	20.6 AT 10:00 MST ON APR 14	16.2 B ON APR 12	0 ON JUL 22	---	1967
1968	---	0.014B ON APR 01	0 ON JUL 07	---	1968
1969	34.0 B AT 03:00 MST ON APR 07	25.8 B ON APR 07	0 ON JUL 25	---	1969
1970	39.9 AT 04:01 MST ON APR 07	31.4 B ON APR 07	0 ON JUL 04	---	1970
1971	---	---	0 ON JUN 05	---	1971
1972	4.64 B AT 10:50 CST ON MAR 20	3.62 B ON MAR 20	0B ON MAR 01	1 160	1972
1973	2.47 B AT 15:00 CST ON MAR 05	2.08 B ON MAR 05	0 ON MAY 15	1 190	1973
1974	27.3 B AT 09:26 CST ON MAR 31	23.8 B ON MAR 31	0 ON JUN 23	14 800	1974
1975	16.6 AT 22:10 CST ON MAY 06	8.69 ON MAY 07	0B ON MAR 01	4 530	1975
1976	32.6 B AT 04:44 CST ON MAR 20	26.5 B ON MAR 20	0 ON JUL 11	12 000	1976
1977	0.830 AT 00:26 CST ON APR 10	0.524 ON APR 10	0 ON MAR 01	448	1977
1978	15.4 B AT 08:05 CST ON MAR 30	12.3 B ON MAR 28	0B ON MAR 01	7 730	1978
1979	19.4 AT 06:03 CST ON APR 18	16.1 ON APR 18	0B ON MAR 01	7 600	1979
1980	12.3 B AT 17:05 CST ON MAR 29	9.46 B ON MAR 29	0B ON MAR 01	5 070	1980
1981	---	0.084B ON MAR 01	0 ON APR 20	63.3	1981
1982	23.2 AT 05:08 CST ON APR 13	17.3 ON APR 13	0B ON MAR 01	15 900	1982
1983	13.5 AT 16:33 CST ON MAR 31	9.08 ON MAR 30	0 ON JUN 20	4 050	1983
1984	0.009B AT 00:20 CST ON MAR 09	0.006B ON MAR 07	0E ON APR 17	15.5	1984
1985	4.20 AT 01:33 CST ON APR 03	2.88 ON APR 03	0B ON MAR 01	1 090	1985
1986	18.8 B AT 17:44 CST ON FEB 26	11.9 B ON MAR 03	0 ON JUN 16	9 180	1986
1987	12.0 B AT 12:27 CST ON MAR 05	8.77 B ON MAR 27	0 ON JUN 08	6 650	1987
1988	0.016B AT 12:15 CST ON MAR 28	0.012B ON MAR 22	0B ON MAR 01	27.2	1988
1989	5.64 B AT 13:21 CST ON MAR 29	4.00 B ON MAR 29	0B ON MAR 01	2 160	1989
1990	4.27 B AT 07:02 CST ON MAR 03	3.62 B ON MAR 03	0 ON MAY 30	1 430	1990
				5 470	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DESCHARME RIVER BELOW DUPRE LAKE - STATION NO. 07CD007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	15.4	---	---	---	---	14.5	10.0	8.59	---	1978
1979	7.98	7.68	7.62	9.55	19.1	13.3	12.4	11.2	11.1	11.5	11.1	8.77	11.0	1979
1980	8.43	7.72	---	---	---	9.31	8.80	10.5	11.8	12.8	10.5	8.92	---	1980
1981	8.26	7.87	8.38	10.6	12.3	8.70	9.27	8.42	7.25	8.00	8.57	8.17	8.83	1981
1982	7.51	7.17	7.05	9.06	23.5	10.9	9.75	10.6	8.84	7.92	6.97	6.76	9.69	1982
1983	7.01	6.83	6.96	10.6	12.2	9.93	7.56	7.73	9.19	8.88	8.62	7.31	8.58	1983
1984	8.15	8.16	7.35	12.8	9.98	9.75	9.54	10.4	9.32	8.30	8.42	7.98	9.18	1984
1985	7.14	6.80	6.53	7.71	15.3	9.21	9.22	8.16	8.67	10.5	8.36	6.79	8.72	1985
1986	6.82	7.28	7.81	11.8	14.6	9.13	10.0	9.80	7.51	8.29	8.24	7.80	9.11	1986
1987	7.55	7.26	7.23	12.7	13.7	8.20	6.69	7.74	8.15	8.24	8.54	7.83	8.65	1987
1988	6.33	6.27	7.41	10.7	14.5	10.4	11.6	9.49	10.0	9.03	8.93	7.76	9.37	1988
1989	7.06	6.94	---	---	---	---	10.3	9.25	9.16	9.94	---	---	---	1989
1990	8.21	7.56	7.12	10.5	14.7	7.48	6.80	6.45	7.46	9.00	8.32	7.64	8.45	1990
MEAN	7.54	7.30	7.35	10.6	15.0	9.66	9.33	9.15	9.04	9.76	8.88	7.86	9.16	MEAN

LOCATION - LAT 57 07 23 N
LONG 109 13 38 W
DRAINAGE AREA, 1 690 km^2
NATURAL FLOW

DESCHARME RIVER BELOW DUPRE LAKE - STATION NO. 07CD007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	24.2 AT 16:19 CST ON MAY 21 *	23.9R ON MAY 20	7.58B ON MAR 04	346 000	1979
1980	14.0 AT 22:53 CST ON OCT 08	13.8R ON OCT 09	---	---	1980
1981	15.7 AT 03:22 CST ON MAY 05	15.3 ON MAY 04	6.86 ON NOV 28	278 000	1981
1982	---	28.0E ON MAY 12 *	6.38 ON NOV 13	306 000	1982
1983	16.9 AT 05:59 CST ON APR 24	16.3 ON APR 23	6.46 ON NOV 25	270 000	1983
1984	15.3 AT 19:53 CST ON APR 09	15.2 ON APR 09	6.50 ON MAR 22	290 000	1984
1985	---	19.4E ON MAY 11	6.35 ON DEC 17	275 000	1985
1986	18.4 AT 14:11 CST ON MAY 10	17.4 ON MAY 11	6.55 ON JAN 30	287 000	1986
1987	20.6 AT 13:14 CST ON MAY 03	18.9 ON MAY 03	6.42 ON JUL 26	273 000	1987
1988	19.1 AT 09:30 CST ON MAY 14	18.3 ON MAY 06	5.82B ON FEB 03 *	296 000	1988
1989	---	---	---	---	1989
1990	18.8 AT 01:39 CST ON MAY 10	18.2 ON MAY 09	6.13 ON AUG 26	266 000	1990
				289 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

DILLON RIVER BELOW DILLON LAKE - STATION NO. 06BA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	4.21	6.28	5.68	3.42	---	1972
1973	2.24	1.33	0.856	3.73	7.81	11.8	19.1	54.0	31.2	24.6	16.7	8.78	15.3	1973
1974	8.84	5.72	4.28	20.8	48.5	22.3	27.6	19.4	13.9	12.2	8.94	5.16	16.6	1974
1975	3.45	2.45	1.26	2.00	12.6	12.8	19.0	17.6	21.5	16.9	11.0	6.40	10.6	1975
1976	4.14	2.40	0.795	9.34	10.7	7.45	33.1	21.3	13.6	12.4	8.25	4.84	10.8	1976
1977	3.89	2.32	1.04	5.59	11.0	19.7	8.54	6.32	4.37	5.69	5.16	4.05	6.48	1977
1978	3.42	2.30	1.47	3.06	27.2	21.6	8.75	3.39	6.54	8.89	4.20	2.07	7.77	1978
1979	0.972	---	---	---	26.2	25.9	15.9	12.5	17.1	12.0	7.63	4.33	---	1979
1980	2.55	0.810	0.555	6.70	6.72	3.09	4.13	17.8	18.1	16.7	8.51	3.57	7.45	1980
1981	1.35	1.06	1.35	5.54	8.20	5.70	9.04	7.43	3.66	3.02	4.12	2.82	4.47	1981
1982	1.47	0.774	0.747	3.58	44.9	18.1	7.86	6.62	6.02	4.13	2.54	1.90	8.29	1982
1983	1.91	1.52	1.08	5.15	8.84	8.53	11.6	6.65	6.27	11.7	6.99	2.69	6.11	1983
1984	1.35	1.08	0.585	5.80	19.7	27.9	8.06	4.79	5.67	7.59	6.43	4.35	7.77	1984
1985	2.22	1.09	1.13	8.96	73.8	21.4	9.52	5.19	4.95	5.15	3.33	1.29	11.6	1985
1986	0.996	1.16	1.18	6.20	16.4	11.1	24.7	28.2	5.69	4.13	3.25	3.37	8.95	1986
1987	2.36	2.28	2.45	16.2	29.5	14.7	6.10	3.59	2.83	2.08	1.83	1.50	7.14	1987
1988	0.736	0.875	0.901	2.60	5.45	6.41	19.4	16.6	12.9	4.96	3.30	2.52	6.42	1988
1989	1.89	0.569	0.650	2.45	11.3	14.7	16.1	8.33	6.72	8.97	6.45	4.37	6.92	1989
1990	2.80	1.31	1.64	7.06	30.7	10.1	5.43	3.01	1.47	2.25	2.43	1.46	5.85	1990
MEAN	2.59	1.71	1.29	6.75	22.2	14.6	14.1	13.5	9.83	8.93	6.14	3.63	8.74	MEAN

LOCATION - LAT 55 42 35 N
LONG 109 23 08 W
DRAINAGE AREA, 2 330 km^2
NATURAL FLOW

DILLON RIVER BELOW DILLON LAKE - STATION NO. 06BA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	88.9 AT 13:14 CST ON AUG 17 *	88.3 ON AUG 17	0.680 ON MAR 20	482 000	1973
1974	---	93.2A ON MAY 03	3.65 ON MAR 29	522 000	1974
1975	25.3 AT 12:54 CST ON SEP 16	24.7 ON SEP 14	0.515 ON APR 05	335 000	1975
1976	51.5 AT 13:40 CST ON JUL 22	51.0 ON JUL 22	0.606 ON MAR 29	340 000	1976
1977	29.7 AT 02:11 CST ON JUN 10	26.7 ON JUN 09	0.782 ON MAR 26	204 000	1977
1978	35.4 AT 13:54 CST ON MAY 12	32.0 ON MAY 11	0.954 ON MAR 24	245 000	1978
1979	---	33.2 ON MAY 25	---	---	1979
1980	---	23.0E ON AUG 12	0.393B ON MAR 10	236 000	1980
1981	12.8 AT 16:12 CST ON JUL 27	12.1 ON JUL 25	0.945B ON FEB 11	141 000	1981
1982	65.1 AT 09:55 CST ON MAY 09	64.8A ON MAY 09	0.642B ON FEB 26	261 000	1982
1983	---	14.3 ON JUL 09	0.990E ON MAR 31	193 000	1983
1984	52.7 AT 19:05 CST ON JUN 01	49.5 ON JUN 01	0.468B ON MAR 16	246 000	1984
1985	---	108 E ON MAY 11 *	0.630B ON FEB 03	366 000	1985
1986	55.0 AT 17:55 CST ON JUL 30	53.6 ON JUL 30	0.783B ON JAN 06	202 000	1986
1987	46.5 AT 20:29 CST ON MAY 04	43.9 ON MAY 03	1.21 B ON DEC 17	225 000	1987
1988	35.9 AT 14:45 CST ON JUL 26	34.4 ON JUL 26	0.413B ON JAN 13	203 000	1988
1989	20.0 AT 12:36 CST ON JUL 09	19.0 ON JUL 12	0.376B ON MAR 02 *	218 000	1989
1990	37.9 AT 14:18 CST ON MAY 10	36.1 ON MAY 15	0.610 ON OCT 01	184 000	1990
				275 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DIXON DITCH NEAR MAPLE CREEK - STATION NO. 05HA041

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1924	---	---	---	0.075	0.095	---	---	---	---	---	---	---	---	1924
MEAN	---	---	---	0.075	0.095	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 59 28 N
LONG 109 30 53 W
REGULATED

DIXON DITCH NEAR MAPLE CREEK - STATION NO. 05HA041

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	0 ON AUG 15 *	---	1916
1919	---	---	0 ON MAY 26	---	1919
1924	---	---	0 ON APR 01	---	1924
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

DOGHIDE RIVER BELOW TISDALE - STATION NO. 05KB009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0	3.29	0.427	---	---	---	---	---	---	---	---	1965
1966	---	---	---	10.6	2.17	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	6.64	---	---	---	---	---	---	---	---	1967
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.101	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	10.4	2.23	---	---	---	---	---	---	---	---	1974
1975	---	---	0	7.50	2.94	0.440	0.013	0.001	0.001	0.002	---	---	1.35	1975
1976	---	---	0.007	5.52	0.100	0.475	0.041	0	0	0.001	---	---	0.753	1976
MEAN	---	---	0.002	6.24	2.42	0.458	0.027	0.001	0.001	0.002	---	---	1.05	MEAN

LOCATION - LAT 52 52 23 N
LONG 104 02 17 W
DRAINAGE AREA, 396 km^2
NATURAL FLOW

DOGHIDE RIVER BELOW TISDALE - STATION NO. 05KB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1972	86.4B AT 09:00 CST ON APR 23 *	---	---	---	1972
1973	---	---	---	---	1973
1974	72.8 AT 00:30 CST ON APR 20	---	---	---	1974
1975	---	31.7 ON APR 29 *	0B ON MAR 01 *	28 500	1975
1976	---	25.9 ON APR 09	0B ON MAR 01	15 900	1976
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		22 200	MEAN

DOGHIDE RIVER NEAR RUNCIMAN - STATION NO. 05KB011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	0	1.30	0.965	0.123	0.001	0	0	0	---	---	0.297	1977
1978	---	---	0	8.72	0.539	0	0	0	0	0.003	---	---	1.14	1978
1979	---	---	0	11.7	5.91	1.11	0.281	0	0	0.007	---	---	2.35	1979
1980	---	---	0	5.29	0.189	0.003	0	0	0	0.001	---	---	0.672	1980
1981	---	---	0.299	0.399	0.008	0.001	0.010	0	0	0.017	---	---	0.091	1981
1982	---	---	0	4.59	0.248	0.133	0.006	0	0	0	---	---	0.610	1982
1983	---	---	0	3.28	0.568	0.151	0.068	0	0	0	---	---	0.501	1983
1984	---	---	0.066	2.86	1.07	2.77	0.072	0.002	0	0.026	---	---	0.845	1984
1985	---	---	0	13.9	0.553	0.068	0.002	0	0	0.013	---	---	1.78	1985
1986	---	---	0.327	4.68	0.262	0.025	0	0	0	0.005	---	---	0.651	1986
1987	---	---	0	2.54	0.037	0	0	0	0	0.030	---	---	0.319	1987
1988	---	---	0	7.62	0.106	0.001	0	0	0	0	---	---	0.946	1988
1989	---	---	0	0.878	0.095	0.025	0	0	0	0.010	---	---	0.124	1989
1990	---	---	0.393	5.28	0.200	0.161	0.047	0	0	0.023	---	---	0.750	1990
MEAN	---	---	0.078	5.22	0.768	0.327	0.035	0	0	0.010	---	---	0.791	MEAN

LOCATION - LAT 52 58 15 N
LONG 104 04 55 W
DRAINAGE AREA, 440 km^2
NATURAL FLOW

DOGHIDE RIVER NEAR RUNCIMAN - STATION NO. 05KB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	5.58 ON APR 11	0B ON MAR 01 *	6 290	1977
1978	31.7 AT 16:52 CST ON APR 19	30.6 ON APR 19	0B ON MAR 01	24 100	1978
1979	58.5 AT 11:34 CST ON APR 25	51.3 ON APR 25	0B ON MAR 01	49 800	1979
1980	30.3 AT 07:17 CST ON APR 16	27.2 ON APR 16	0B ON MAR 01	14 200	1980
1981	2.70B AT 18:26 CST ON APR 01	1.76B ON APR 01	0B ON MAR 01	1 930	1981
1982	---	24.5 B ON APR 17	0B ON MAR 01	12 900	1982
1983	21.9 AT 17:29 CST ON APR 22	19.0 B ON APR 22	0B ON MAR 01	10 600	1983
1984	17.5 AT 15:13 CST ON JUN 22	14.8 ON JUN 22	0B ON MAR 01	17 900	1984
1985	66.7 AT 19:21 CST ON APR 14 *	61.4 ON APR 15 *	0B ON MAR 01	37 700	1985
1986	13.3 B AT 09:12 CST ON APR 07	13.0 B ON APR 07	0B ON MAR 01	13 800	1986
1987	20.6 AT 11:33 CST ON APR 08	17.1 B ON APR 08	0B ON MAR 01	6 760	1987
1988	28.9 B AT 06:05 CST ON APR 09	26.1 ON APR 12	0B ON MAR 01	20 000	1988
1989	6.31B AT 03:42 CST ON APR 05	3.86B ON APR 05	0B ON MAR 01	2 620	1989
1990	27.3 B AT 20:44 CST ON APR 04	25.8 B ON APR 04	0B ON MAR 01	15 900	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		16 800	MEAN

DOGHIDE RIVER NEAR TISDALE - STATION NO. 05KB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1930	---	---	---	---	---	---	---	---	---	0.194	0.145	0.033	---	1930
1931	0.029	0.037	0.116	1.98	---	---	---	---	---	---	---	---	---	1931
MEAN	0.029	0.037	0.116	1.98	---	---	---	---	---	0.194	0.145	0.033	---	MEAN

LOCATION - LAT 52 49 00 N LONG 104 02 00 W DRAINAGE AREA, 363 km^2 NATURAL FLOW

DOGHIDE RIVER NEAR TISDALE - STATION NO. 05KB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1930	---	---	---	---	1930
1931	---	6.12 ON APR 09 *	---	---	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

DORE RIVER NEAR THE MOUTH - STATION NO. 06AG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	8.15	6.68	3.29	2.07	2.19	0.740	0.921	---	1971
1972	0.743	1.01	2.64	3.81	13.9	6.05	5.13	2.45	4.95	6.55	5.20	1.25	4.49	1972
1973	2.51	4.79	5.20	7.31	9.67	8.07	9.32	5.06	7.28	7.57	7.75	5.57	6.68	1973
1974	5.94	5.97	4.56	5.25	16.5	14.6	8.46	5.76	7.31	8.28	8.79	8.80	8.36	1974
1975	8.30	7.11	6.48	7.35	15.9	21.7	12.1	11.7	8.74	8.47	7.66	6.99	10.2	1975
1976	3.96	4.69	6.11	7.71	9.75	8.85	7.34	3.08	2.04	2.29	1.51	1.06	4.86	1976
1977	---	---	---	---	---	---	---	---	---	1.56	---	---	---	1977
1978	0.776	0.838	---	---	---	---	1.99	1.81	2.27	2.49	1.84	1.21	---	1978
1979	1.40	1.44	1.46	4.16	9.37	7.72	4.74	2.24	3.53	3.20	2.54	1.79	3.64	1979
1980	0.976	1.38	1.88	3.91	5.04	2.08	1.49	4.01	11.6	6.29	3.37	2.22	3.68	1980
1981	1.83	1.42	2.22	6.51	8.30	5.54	2.49	1.53	0.975	0.960	0.982	0.850	2.80	1981
1982	0.607	0.570	0.593	2.38	7.98	5.87	2.39	1.94	1.26	2.77	1.85	0.933	2.44	1982
1983	1.02	1.18	1.14	4.63	6.50	5.06	4.04	1.48	2.07	1.80	1.34	0.707	2.42	1983
1984	0.578	0.662	0.978	3.52	10.0	6.78	2.08	0.986	0.899	1.15	0.636	0.609	2.41	1984
1985	0.471	0.516	0.798	5.23	9.09	8.93	2.38	1.25	1.58	1.63	0.729	0.406	2.75	1985
1986	0.414	0.424	0.985	2.93	7.99	6.07	7.00	6.87	2.58	2.18	1.43	1.25	3.37	1986
1987	1.80	3.06	3.43	8.62	8.79	4.99	6.65	4.22	2.58	2.14	1.75	2.07	4.18	1987
1988	1.25	1.24	1.86	5.21	7.19	5.14	5.97	3.90	2.14	1.53	0.975	0.664	3.10	1988
1989	0.575	0.688	0.952	---	---	4.64	3.37	1.40	1.47	1.48	0.977	0.625	---	1989
1990	0.893	0.988	2.38	2.41	7.78	4.06	2.94	1.23	0.824	0.740	0.358	0.308	2.09	1990
MEAN	1.89	2.11	2.57	4.93	9.61	7.46	5.08	3.38	3.48	3.26	2.65	2.01	4.22	MEAN

LOCATION - LAT 54 55 49 N LONG 107 44 37 W DRAINAGE AREA, 2 960 km^2 NATURAL FLOW

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	19.9 AT 23:38 CST ON APR 29	19.7 ON APR 30	0.227B ON DEC 23 *	142 000	1972
1973	---	18.6 B ON APR 19	1.57 B ON JAN 04	211 000	1973
1974	20.3 AT 20:39 CST ON MAY 29	20.2 ON MAY 29	4.25 B ON MAR 27	264 000	1974
1975	---	25.2 E ON JUN 07 *	6.31 B ON MAR 18	322 000	1975
1976	15.0 AT 04:45 CST ON JUL 15	14.7 ON JUL 15	0.595B ON DEC 25	154 000	1976
1977	---	---	---	---	1977
1978	---	---	0.620B ON FEB 04	---	1978
1979	16.5 B AT 03:45 CST ON MAY 02	13.4 B ON MAY 01	1.11 B ON JAN 26	115 000	1979
1980	15.1 AT 02:56 CST ON SEP 18	15.0 ON SEP 18	0.690B ON JAN 11	116 000	1980
1981	9.30 AT 16:28 CST ON MAY 02	9.24 ON MAY 01	0.645B ON DEC 28	88 400	1981
1982	---	8.56 ON MAY 06	0.529B ON FEB 18	76 900	1982
1983	8.71 AT 15:12 CST ON JUN 29	8.46 ON JUN 29	0.466B ON DEC 26	76 300	1983
1984	21.9 AT 00:11 CST ON MAY 23 *	21.6 ON MAY 22	0.510B ON JAN 11	76 300	1984
1985	16.6 AT 00:23 CST ON JUN 10	16.2 ON JUN 10	0.236B ON NOV 25	86 800	1985
1986	15.8 AT 12:26 CST ON AUG 01	15.6 ON AUG 01	0.318B ON JAN 02	106 000	1986
1987	15.9 AT 08:25 CST ON APR 19	15.1 B ON APR 19	1.35 B ON NOV 23	132 000	1987
1988	11.9 B AT 09:44 CST ON APR 20	9.98B ON APR 21	0.352B ON DEC 28	97 900	1988
1989	---	---	0.307B ON JAN 17	---	1989
1990	---	9.40E ON MAY 16	0.243B ON DEC 31	65 800	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		133 000	MEAN

DOUGLAS RIVER NEAR CLUFF LAKE - STATION NO. 07MA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	8.62	10.4	7.02	6.94	---	1975
1976	7.71	8.66	8.85	14.5	11.6	9.37	7.65	9.26	7.15	9.45	7.36	6.68	9.02	1976
1977	5.59	5.57	5.04	12.0	12.5	12.7	13.2	11.8	13.3	10.5	7.11	6.44	9.61	1977
1978	5.70	5.72	5.97	6.25	20.7	11.7	7.99	9.19	17.0	18.9	10.1	7.02	10.6	1978
1979	4.76	3.29	3.00	4.11	16.7	10.4	7.96	7.41	7.10	7.78	5.78	5.20	6.99	1979
1980	4.86	4.61	4.72	7.92	7.02	5.86	5.41	5.96	7.13	7.29	4.95	3.93	5.80	1980
1981	4.33	4.35	5.17	7.28	18.5	11.7	10.4	8.36	6.75	7.06	6.46	5.09	7.98	1981
1982	4.22	3.87	4.15	6.19	23.4	9.85	7.07	8.44	9.64	8.66	6.80	6.54	8.27	1982
1983	6.56	6.19	5.36	9.21	13.1	11.3	8.11	7.34	7.97	8.18	6.67	6.11	8.02	1983
1984	6.11	5.81	6.00	9.32	7.54	7.63	9.75	11.4	13.0	12.7	12.7	11.0	9.42	1984
1985	10.6	11.1	8.35	9.73	30.7	16.5	12.8	9.92	13.9	13.8	12.8	10.8	13.4	1985
1986	10.1	9.87	9.63	10.7	17.7	11.3	10.1	14.3	12.0	10.5	8.29	8.00	11.7	1986
1987	7.84	7.42	7.47	12.5	21.4	11.1	9.10	9.30	10.1	8.80	8.20	7.51	10.1	1987
1988	7.96	7.45	6.99	7.28	21.6	13.4	19.1	16.7	15.1	12.3	10.5	9.32	12.4	1988
1989	9.32	8.10	7.45	6.71	---	---	12.2	8.39	10.1	10.2	9.10	8.49	---	1989
1990	7.37	6.89	6.40	8.53	14.8	10.6	9.41	7.05	6.64	6.74	6.18	5.72	8.04	1990
MEAN	6.88	6.59	6.30	8.82	16.9	10.9	10.6	9.65	10.3	10.2	8.13	7.17	9.38	MEAN

LOCATION - LAT 58 19 20 N LONG 109 47 10 W
DRAINAGE AREA, 1 690 km^2
NATURAL FLOW

DOUGLAS RIVER NEAR CLUFF LAKE - STATION NO. 07MA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	22.9 AT 17:00 CST ON APR 19	22.8 ON APR 19	5.83 ON JUL 20	285 000	1976
1977	---	23.3 ON APR 28	4.64B ON MAR 10	303 000	1977
1978	33.4 AT 15:15 CST ON MAY 07	33.1 ON MAY 07	4.84 ON APR 11	333 000	1978
1979	27.9 AT 19:31 CST ON MAY 19	27.7 ON MAY 19	3.00B ON FEB 26 *	220 000	1979
1980	---	11.8B ON APR 21	3.87B ON DEC 11	184 000	1980
1981	---	23.0E ON MAY 05	3.90B ON FEB 14	252 000	1981
1982	---	30.8E ON MAY 07	3.80B ON FEB 24	261 000	1982
1983	18.9 AT 23:54 CST ON APR 28	18.7 ON APR 28	4.74 ON APR 03	253 000	1983
1984	18.2 AT 22:20 CST ON OCT 24	18.1 ON OCT 24	5.17 ON FEB 25	298 000	1984
1985	47.9 AT 20:10 CST ON MAY 08 *	47.6 ON MAY 08 *	6.20 ON APR 09	424 000	1985
1986	22.2 AT 12:48 CST ON JUL 13	22.2 ON JUL 13	6.76 ON APR 05	370 000	1986
1987	32.1 AT 20:10 CST ON APR 30	31.9 ON MAY 02	6.30 ON APR 05	318 000	1987
1988	26.9 AT 08:36 CST ON MAY 14	26.8 ON MAY 14	6.16 ON APR 03	392 000	1988
1989	---	---	6.30 ON APR 21	---	1989
1990	17.8A AT 21:55 CST ON APR 28	17.6A ON APR 28	5.32 ON OCT 31	254 000	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		296 000	MEAN

DOWNIE CREEK BELOW DOWNIE LAKE - STATION NO. 05HA073

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	0.021	0.568	0.706	0.217	0.374	---	---	---	1955
1956	---	---	0.028	0.033	0.104	0.895	0.274	0.005	0.002	0.005	---	---	0.167	1956
1957	---	---	0.042	0.055	0.769	0.236	0.975	0.244	0.009	0.031	---	---	0.297	1957
1958	---	---	0.076	0.025	0.898	0.063	1.00	0.142	0.001	0.003	---	---	0.280	1958
1959	---	---	0.127	0.029	0.599	0.342	0.669	0.696	0.002	0	---	---	0.310	1959
1960	---	---	0.061	0.043	0.812	0.087	1.24	0.078	0	0.067	---	---	0.302	1960
1961	---	---	0.010	0.003	0.600	0.014	0	0.079	0	0	---	---	0.089	1961
1962	---	---	0.037	0.010	0.024	0.359	0.712	0.024	0.179	0.008	---	---	0.169	1962
1963	---	---	0.061	0.017	1.11	0.418	0.056	0	0	0.019	0.184	---	0.211	1963
1964	---	---	0.001	0.049	0.035	0.047	1.37	0.351	0	0.001	---	---	0.234	1964
1965	---	---	0	0.327	0.872	0.691	0.620	0.937	0.013	0.012	---	---	0.435	1965
1966	---	---	0.026	0.412	1.69	0.086	1.08	0.513	0	0.010	---	---	0.480	1966
1967	---	---	0.045	0.452	2.88	0.606	0.709	0.276	0.005	0.006	---	---	0.625	1967
1968	---	---	0.035	0.161	0.999	0.047	0.760	0.092	0.009	0.012	---	---	0.267	1968
1969	---	---	0.094	0.034	1.10	0.041	1.09	0.053	0	0	---	---	0.305	1969
1970	---	---	0.017	0.073	1.16	0.256	0.517	0.297	0	0.020	---	---	0.294	1970
1971	---	0.015	0.029	0.406	0.535	0.059	1.05	0.152	0.058	0.001	---	---	0.287	1971
1972	---	---	0.084	0.283	0.818	0	0.940	0.082	0	0.002	---	---	0.278	1972
1973	---	---	0.015	0.013	0.401	0.132	---	---	---	---	---	---	---	1973
MEAN	---	0.015	0.044	0.135	0.856	0.232	0.757	0.263	0.028	0.032	0.184	---	0.296	MEAN

LOCATION - LAT 49 46 28 N LONG 109 39 10 W DRAINAGE AREA, 155 km² REGULATED

DOWNIE CREEK BELOW DOWNIE LAKE - STATION NO. 05HA073

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1955	---	---	---	---	1955
1956	---	1.61 ON JUN 03	0B ON MAR 01 *	3 530	1956
1957	---	1.81 ON MAY 24	0B ON MAR 07	6 300	1957
1958	---	1.73 ON MAY 23	0B ON APR 04	5 920	1958
1959	---	2.10 ON JUL 28	0B ON MAR 09	6 570	1959
1960	---	1.98 ON JUL 13	0B ON MAR 01	6 380	1960
1961	---	1.06 ON MAY 11	0B ON MAR 01	1 890	1961
1962	---	9.97 ON JUN 14	0B ON MAR 01	3 570	1962
1963	---	1.82 ON JUN 03	0 ON MAR 19	4 460	1963
1964	---	2.37 ON JUL 11	0 ON MAR 01	4 950	1964
1965	---	6.94 ON JUN 26	0B ON MAR 01	9 210	1965
1966	---	2.78 ON MAY 23	0B ON MAR 01	10 200	1966
1967	---	13.9 ON MAY 09 *	0B ON MAR 06	13 200	1967
1968	---	1.77 ON MAY 02	0 ON AUG 14	5 650	1968
1969	---	1.53 ON MAY 07	0B ON MAR 01	6 460	1969
1970	---	2.82 ON MAY 01	0B ON MAR 01	6 230	1970
1971	---	1.41 ON JUL 16	0B ON MAR 01	6 080	1971
1972	---	1.54 ON JUL 17	0B ON MAR 01	5 890	1972
1973	---	---	0B ON MAR 07	---	1973
				6 260	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DOWNIE LAKE INFLOW CANAL - STATION NO. 05HA070

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.462	0.312	0.008	0	0	0	0	0	---	---	0.098	1944
1945	---	---	0.531	0.041	0.008	0.001	0	0	0	0	---	---	0.073	1945
1946	---	---	1.15	0.223	0.027	0	0	0	0	0	---	---	0.176	1946
1947	---	---	---	1.25	0.050	0.035	0	0	0	0	---	---	---	1947
1948	---	---	1.32	1.97	0.081	0	0	0	0	0	---	---	0.418	1948
1949	---	---	0.111	0.269	0.001	0	0	0	0	0	---	---	0.047	1949
1950	---	---	0.028	1.29	0.089	0	0.051	0.039	0	0	---	---	0.184	1950
1951	---	---	0.193	1.98	0.033	0.046	0.001	0.236	0.044	0.006	---	---	0.313	1951
1952	---	---	0	0	0	0	0	0	0	0	---	---	0	1952
1953	---	---	0.610	0.986	0	0	0	0	0	0	---	---	0.198	1953
1954	---	0.117	0.041	1.28	0.097	0.032	0.001	0.002	0.073	0.003	---	---	0.188	1954
1955	---	---	0.327	1.30	0.058	0.002	0.047	0	0	0	---	---	0.213	1955
1956	---	---	0.195	0.636	0.258	0.001	0	0	0	0	---	---	0.135	1956
1957	---	---	0.135	1.21	0.111	0	0	0	0	0	---	---	0.180	1957
1958	---	---	0.332	1.30	0.024	0	0	0	0	0	---	---	0.204	1958
1959	---	---	1.00	0.809	0.074	0.216	0.013	0	0	0	---	---	0.263	1959
1960	---	---	1.40	0.417	0	0	0	0	0	0	---	---	0.228	1960
1961	---	---	0.076	0.020	0.042	0	0	0	0	0	---	---	0.017	1961
1962	---	---	0.256	0.161	0	0.204	0	0	0	0	---	---	0.077	1962
1963	---	0.604	0.598	0.085	0.013	0.012	0.034	0	0	0	---	---	0.094	1963
1964	---	---	0.041	0.277	0.444	0.326	0	0	0	0	---	---	0.135	1964
1965	---	---	0	2.30	0	0.273	0.070	0	0	0	---	---	0.324	1965
1966	---	---	1.15	0.205	0.044	0.081	0	0	0	0	---	---	0.186	1966
1967	---	---	0.891	0.949	0	0	0	0	0.006	0	---	---	0.230	1967
1968	---	---	0.675	0.128	0.002	0	0	0	0	0	---	---	0.101	1968
1969	---	---	0.993	1.33	0.096	0.001	0	0	0	0	---	---	0.300	1969
1970	---	---	0.085	2.38	0.070	0.209	0	0	0	0	---	---	0.336	1970
1971	---	0.155	0.296	1.45	0.001	0	0	0	0	0	---	---	0.215	1971
1972	---	---	1.02	0.028	0.088	0.002	0	0	0	0	---	---	0.144	1972
1973	---	---	0.260	0.313	0.143	0	0	0	0	0	---	---	0.089	1973
1974	---	---	0.303	0.472	0.977	0.047	0	0	0	0	---	---	0.225	1974
1975	---	---	0	1.58	0.514	0.143	0	0	0	0	---	---	0.276	1975
1976	0.138	0	0.817	0.232	0.006	0.044	0	0	0	0	---	---	0.138	1976
1977	---	---	0.006	0.299	0.019	0	0	0	0	0	---	---	0.040	1977
1978	---	---	0.636	0.925	0.238	0.056	0	0	0.097	0.002	---	---	0.243	1978
1979	---	---	1.40	0.755	0.141	0.009	0	0	0	0	---	---	0.288	1979
1980	---	---	0.176	0.366	0	0	0	0	0	0	---	---	0.067	1980
1981	---	0.196	0.070	0.055	0.077	0.456	0	0	0	0	---	---	0.081	1981
1982	---	0.033	0.075	1.18	0.247	1.70	0	0	0	0	---	---	0.394	1982
1983	---	---	0.465	0.189	0.781	0.001	0	0	0	0	---	---	0.181	1983
1984	---	---	0.080	0.230	0.072	0	0	0	0	0	---	---	0.047	1984
1985	---	---	0.185	1.22	0.111	0.003	0	0	0	0	---	---	0.187	1985
1986	0.166	0.749	0.368	0.048	0.784	0.006	0	0	0.282	0.006	---	---	0.188	1986
1987	---	0.014	0.413	0.592	0	0	0	0	0	0	---	---	0.125	1987
1988	---	0.065	0.324	0.057	0	0	0	0	0	0	---	---	0.048	1988
1989	---	0	0.110	0.190	0.088	0.165	0.001	0	0	0	---	---	0.069	1989
1990	---	0	0.386	0.210	0.173	0	0	0	0	0	---	---	0.096	1990
MEAN	0.152	0.176	0.435	0.713	0.130	0.087	0.005	0.006	0.011	0	---	---	0.171	MEAN

LOCATION - LAT 49 46 08 N
LONG 109 39 10 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

DOWNIE LAKE INFLOW CANAL - STATION NO. 05HA070

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	2.69 ON MAR 31	0 ON MAR 01 *	2 070	1944
1945	---	1.30 B ON MAR 12	0 ON MAR 01	1 550	1945
1946	---	2.80 ON MAR 27	0 ON MAY 10	3 730	1946
1947	---	3.34 B ON MAR 21	0 ON MAY 31	---	1947
1948	---	5.24 ON APR 16	0 ON MAR 01	8 860	1948
1949	---	0.827 ON MAR 27	0 ON MAR 01	995	1949
1950	---	5.52 ON APR 15	0B ON MAR 01	3 890	1950
1951	---	5.30 B ON APR 04	0B ON MAR 01	6 630	1951
1952	---	0 ON MAR 01	0 ON MAR 01	0	1952
1953	---	5.61 ON APR 22	0B ON MAR 01	4 190	1953
1954	---	3.40 ON APR 13	0B ON MAR 01	3 980	1954
1955	---	5.15 B ON APR 02	0B ON MAR 01	4 520	1955
1956	---	2.15 B ON APR 14	0B ON MAR 01	2 860	1956
1957	---	3.54 ON APR 17	0B ON MAR 28	3 810	1957
1958	---	6.37 B ON APR 01	0B ON MAR 07	4 330	1958
1959	---	4.36 ON MAR 27	0 ON MAY 17	5 580	1959
1960	---	6.77 ON MAR 20	0B ON MAR 01	4 840	1960
1961	---	0.620 ON MAR 17	0 ON MAR 01	368	1961
1962	---	4.59 ON JUN 14	0B ON MAR 01	1 630	1962
1963	---	2.61 ON MAR 23	0 ON APR 10	1 980	1963
1964	---	4.67 ON MAY 04	0 ON MAR 01	2 860	1964
1965	---	6.80 ON APR 14	0B ON MAR 01	6 860	1965
1966	---	4.45 B ON MAR 31	0B ON MAR 01	3 930	1966
1967	---	7.70 ON APR 11	0B ON MAR 06	4 860	1967
1968	---	1.81 B ON MAR 06	0 ON APR 28	2 150	1968
1969	---	9.17 ON MAR 18	0 ON MAR 01	6 360	1969
1970	---	10.5 ON APR 07 *	0B ON MAR 01	7 120	1970
1971	---	5.86 ON APR 07	0 ON MAY 06	4 550	1971
1972	---	5.61 B ON MAR 17	0B ON MAR 01	3 050	1972
1973	---	2.55 ON APR 28	0 ON APR 06	1 890	1973
1974	6.85 AT 10:49 CST ON MAY 24	5.38 ON MAY 24	0B ON MAR 01	4 770	1974
1975	9.91 B AT 10:09 CST ON APR 27	8.30 B ON APR 27	0B ON MAR 01	5 850	1975
1976	8.52 B AT 08:09 CST ON MAR 19	5.66 B ON MAR 19	0B ON MAR 01	2 920	1976
1977	---	2.28 ON APR 07	0B ON MAR 01	841	1977
1978	---	3.94 ON MAR 31	0B ON MAR 01	5 140	1978
1979	---	7.47 B ON APR 10	0B ON MAR 01	6 110	1979
1980	3.06 AT 12:08 CST ON APR 06	2.42 ON APR 06	0B ON MAR 01	1 420	1980
1981	7.27 AT 22:32 CST ON JUN 14	4.84 ON JUN 15	0 ON JUN 01	1 720	1981
1982	8.24 AT 04:42 CST ON JUN 01	7.92 ON JUN 03	0B ON MAR 28	6 350	1982
1983	---	5.20 ON MAY 18	0 ON APR 27	3 830	1983
1984	0.867 AT 12:20 CST ON APR 10	0.834 ON APR 10	0B ON MAR 01	1 000	1984
1985	8.92 AT 09:44 CST ON APR 02	7.64 ON APR 02	0B ON MAR 01	3 950	1985
1986	13.5 AT 18:01 CST ON SEP 25 *	6.05 ON SEP 25	0 ON JUN 22	3 970	1986
1987	6.89 AT 06:03 CST ON APR 01	5.08 ON APR 01	0B ON MAR 01	2 640	1987
1988	2.48 B AT 14:02 CST ON FEB 28	1.44 ON MAR 21	0E ON APR 20	1 020	1988
1989	4.02 AT 02:50 CST ON JUN 12	2.34 ON JUN 12	0B ON MAR 01	1 460	1989
1990	2.68 AT 10:37 CST ON MAR 30	2.13 ON MAR 30	0B ON MAR 01	2 040	1990
				3 620	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DOWNIE LAKE OUTFLOW CANAL - STATION NO. 05HA071

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	---	---	---	---	---	---	---	---	---	---	---	---	1945
1946	---	---	---	---	---	---	---	---	---	---	---	---	---	1946
1947	---	---	---	---	---	---	---	---	---	---	---	---	---	1947
1950	---	---	0.011	0.028	0.010	0.729	0.550	0.055	0.022	0.001	---	---	0.175	1950
1951	---	---	0	0.056	0.124	0.103	0.476	0.519	0.006	0.006	---	---	0.163	1951
1952	---	---	0	0	0	0.168	0.620	0.309	0.024	0	---	---	0.141	1952
1953	---	---	0	0	0	0.075	0.980	0.280	0	0	---	---	0.169	1953
1954	---	---	0	0	0	0	0.944	0.058	0.011	0	---	---	0.128	1954
1955	---	---	---	---	---	---	---	---	---	---	---	---	---	1955
MEAN	---	---	0.002	0.017	0.027	0.215	0.714	0.244	0.013	0.001	---	---	0.155	MEAN

LOCATION - LAT 49 46 58 N
LONG 109 40 47 W REGULATED

DOWNIE LAKE OUTFLOW CANAL - STATION NO. 05HA071

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	---	---	0 ON MAR 16 *	---	1945
1946	---	---	0R ON MAR 14	---	1946
1947	---	---	0 ON AUG 04	---	1947
1950	---	1.76 ON JUN 16	0 ON MAR 01	3 700	1950
1951	---	2.80 ON JUL 26 *	0B ON MAR 01	3 450	1951
1952	---	2.35 ON JUN 19	0 ON MAR 01	2 990	1952
1953	---	2.41 ON JUL 17	0 ON MAR 01	3 570	1953
1954	---	1.50 ON JUL 16	0 ON MAR 01	2 710	1954
1955	---	---	0R ON MAR 11	---	1955
				3 280	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

DRAGLINE CHANNEL NEAR SQUAW RAPIDS - STATION NO. 05KH011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	0.463	0.525	0.675	0.629	0.121	0.046	0.478	0.945	0.800	0.334	0.232	0.867	0.510	1976
1978	0.293	0.107	0.158	0.331	0.171	0.338	0.477	0.193	0.035	0.002	0	0	0.176	1978
1979	0.038	0.034	0.048	0.059	0.417	0.158	0.216	0.087	0	0	0.023	0.517	0.135	1979
1980	0.399	0.623	0.463	0.287	0.254	12.9	5.39	7.19	5.25	3.73	0.222	1.04	3.14	1980
1981	0.780	0.478	0.572	0.920	0.598	0.812	0.338	11.3	7.83	3.62	1.14	0.437	2.41	1981
1982	0.337	0.365	0.385	0.354	5.21	4.06	8.50	6.98	0.345	0.203	0.263	1.68	2.42	1982
1983	2.76	1.63	0.670	0.787	0.481	0.043	0	0	0	0	0.447	0.629	0.616	1983
1984	0.661	0.605	0.656	0.780	1.19	0.989	0.431	0.271	0.453	0.639	0.595	0.674	0.662	1984
1985	0.194	0.347	0.939	1.31	1.41	0.303	0.370	0.043	0.190	0.314	0.234	0.663	0.528	1985
1986	0.771	0.594	0.515	1.07	1.35	1.55	11.7	3.28	6.59	5.93	0.759	0.961	2.95	1986
1987	0.881	0.789	0.843	0.667	0.646	0.677	1.55	2.87	3.63	2.16	0.532	0.760	1.34	1987
1988	0.996	0.704	0.440	1.25	0.742	1.15	4.88	2.39	2.63	1.85	0.372	0.461	1.49	1988
1989	0.638	0.606	0.459	0.569	6.89	5.62	6.64	9.61	6.18	0.298	0.505	0.862	3.26	1989
1990	0.633	0.888	1.37	1.13	0.662	4.55	1.63	0.284	2.80	6.24	0.270	0.215	1.72	1990
MEAN	0.703	0.593	0.585	0.725	1.44	2.37	3.04	3.25	2.62	1.81	0.400	0.698	1.53	MEAN

LOCATION - LAT 53 50 00 N
LONG 102 56 25 W
REGULATED

DRAGLINE CHANNEL NEAR SQUAW RAPIDS - STATION NO. 05KH011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	1.28 ON AUG 11	0.002 ON JUN 22	16 100	1976
1978	---	0.623B ON APR 06	0 B ON FEB 18 *	5 550	1978
1979	---	0.844B ON DEC 21	0 A ON AUG 27	4 250	1979
1980	20.7 AT 04:33 CST ON JUN 07	20.3 ON JUN 07	0.002 ON NOV 05	99 300	1980
1981	22.2 AT 03:22 CST ON AUG 27	19.3 ON AUG 28	0.048 ON MAY 08	76 100	1981
1982	22.0 AT 01:08 CST ON JUL 25	21.0 ON JUL 24	0.035 ON OCT 04	76 300	1982
1983	4.29B AT 04:36 CST ON FEB 04	3.85 B ON JAN 27	0 ON JUN 09	19 400	1983
1984	3.22 AT 16:29 CST ON JUL 04	2.10 ON JUN 29	0.015 ON SEP 26	20 900	1984
1985	2.95 AT 10:54 CST ON JUL 04	2.16 ON APR 22	0 ON SEP 08	16 700	1985
1986	28.8 AT 06:13 CST ON JUL 22 *	28.5 ON JUL 22 *	0.095B ON MAR 09	92 900	1986
1987	15.4 AT 05:10 CST ON SEP 11	11.0 ON OCT 08	0.092 ON JUN 24	42 200	1987
1988	17.8 AT 02:45 CST ON JUL 21	12.0 ON JUL 23	0.017B ON NOV 28	47 200	1988
1989	21.4 AT 02:03 CST ON JUN 03	16.6 ON AUG 10	0.002E ON OCT 12	103 000	1989
1990	13.6 AT 02:10 CST ON OCT 18	11.2 ON OCT 20	0.031B ON FEB 06	54 400	1990
				48 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DUCK CREEK NEAR KELVINGTON - STATION NO. 05LA003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	0.042	1.05	---	---	---	---	---	---	---	---	1967
1968	---	---	0.379	0.139	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	1.93	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.60	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	2.19	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	4.18	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.174	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	3.93	1.58	---	---	---	---	---	---	---	---	1974
1975	---	---	0	2.73	1.51	0.069	0.007	0	0	0	---	---	0.535	1975
1976	---	---	0	2.74	0.348	0.055	0.020	0	0	0	---	---	0.388	1976
1977	---	---	0	0.565	0.011	0.002	0	0	0	0	---	---	0.071	1977
1978	---	---	0	1.35	0.120	0.022	0.130	0.017	0.006	0.009	---	---	0.203	1978
1979	---	---	0	4.50	2.41	0.071	0	0	0	0	---	---	0.865	1979
1980	---	---	0	1.01	0.001	0	0	0	0	0	---	---	0.123	1980
1981	---	---	0.358	0.668	0.037	0	0.521	0.039	0	0.037	---	---	0.207	1981
1982	---	---	0	0.602	0.033	0.002	0.003	0	0	0	---	---	0.079	1982
1983	---	---	0	1.42	0.380	0.005	0.319	0.172	0.004	0.001	---	---	0.285	1983
1984	---	---	0.281	1.82	0.119	0.029	0	0	0	0	---	---	0.277	1984
1985	---	---	0	3.90	0.119	0.006	0	0	0	0	---	---	0.494	1985
1986	---	---	0.375	1.86	0.043	0.002	0	0	0	0	---	---	0.281	1986
1987	---	---	0	1.38	0	0	0	0	0	0	---	---	0.169	1987
1988	---	---	0	2.25	0.035	0	0	0	0	0	---	---	0.279	1988
1989	---	---	0	0.126	0	0	0	0	0	0	---	---	0.015	1989
1990	---	---	0	1.80	0.069	0	0	0	0	0	---	---	0.229	1990
MEAN	---	---	0.082	1.79	0.437	0.016	0.063	0.014	0.001	0.003	---	---	0.281	MEAN

LOCATION - LAT 52 08 40 N
LONG 103 37 34 W
DRAINAGE AREA, 210 km^2
NATURAL FLOW

DUCK CREEK NEAR KELVINGTON - STATION NO. 05LA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	
1971	---	---	---	---	1970
1972	---	---	---	---	1971
1973	---	---	---	---	1972
1974	---	---	---	---	1973
1975	---	8.33 ON APR 25	0B ON MAR 01 *	11 300	1974
1976	---	9.23 ON APR 11	0B ON MAR 01	8 220	1975
1977	---	2.70 ON APR 11	0B ON MAR 01	1 500	1976
1978	5.01 AT 11:47 CST ON APR 12	3.68 ON APR 11	0B ON MAR 01	4 310	1977
1979	19.0 AT 23:20 CST ON APR 24 *	18.2 ON APR 27 *	0B ON MAR 01	18 300	1978
1980	4.82B AT 07:30 CST ON APR 10	3.47 ON APR 13	0B ON MAR 01	2 610	1979
1981	8.17 AT 10:04 CST ON JUL 17	6.30 ON JUL 17	0B ON MAR 01	4 390	1980
1982	3.17 AT 09:36 CST ON APR 15	2.59 B ON APR 15	0B ON MAR 01	1 660	1981
1983	9.28 AT 19:56 CST ON APR 21	7.15 ON APR 22	0B ON MAR 01	6 030	1982
1984	6.50 AT 10:00 CST ON APR 02	5.68 ON APR 02	0B ON MAR 01	5 860	1983
1985	13.1 AT 09:51 CST ON APR 12	11.9 ON APR 12	0B ON MAR 01	10 500	1984
1986	8.63B AT 01:10 CST ON APR 02	7.02 B ON APR 01	0B ON MAR 01	5 950	1985
1987	9.58 AT 19:50 CST ON APR 05	8.28 ON APR 06	0B ON MAR 01	3 580	1986
1988	13.6 AT 20:24 CST ON APR 06	11.3 ON APR 07	0B ON MAR 01	5 910	1987
1989	1.46 AT 10:07 CST ON APR 07	0.979 ON APR 07	0 ON MAR 01	327	1988
1990	9.26B AT 02:48 CST ON APR 06	7.51 B ON APR 06	0B ON MAR 01	4 850	1989
				5 960	1990
					MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAGLE CREEK NEAR ANGLIA - STATION NO. 05GC002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	---	---	---	0.018	0.028	---	---	---	1923
1924	---	---	0.003	0.462	0.139	0.050	0.011	0.048	0.016	0.051	---	---	0.097	1924
1925	---	---	2.39	2.36	0.105	0.143	0.060	0.016	0.025	0.036	---	---	0.639	1925
1971	---	---	0.021	9.03	4.46	1.97	0.949	0.324	0.030	0.088	---	---	2.09	1971
1972	---	---	0.521	1.57	0.467	0.088	0.041	0.019	0.021	0.046	---	---	0.344	1972
1973	---	---	0.793	0.320	0.152	0.029	0.014	0.005	0.006	0.013	---	---	0.167	1973
1974	---	---	0	8.10	1.94	0.953	0.912	0.061	0.381	0.055	---	---	1.53	1974
1975	---	---	0	8.65	2.20	0.605	0.106	0.026	0.021	0.015	---	---	1.43	1975
1976	---	---	0.695	3.70	0.198	0.129	0.063	0.010	0.012	0.018	---	---	0.595	1976
1977	---	---	0.037	0.123	0.187	0.012	0.001	0.001	0.004	0.009	---	---	0.047	1977
1978	---	---	0.278	2.73	0.256	0.030	0.006	0.002	0.006	0.011	---	---	0.409	1978
1979	---	---	0.449	1.79	0.157	0.007	0.004	0.002	0	0.005	---	---	0.298	1979
1980	---	---	0.334	0.292	0.009	0.002	0.005	0.006	0.001	0.007	---	---	0.082	1980
1981	---	0.509	0.435	0.084	0.006	0.009	0.004	0.001	0	0.001	---	---	0.068	1981
1982	---	---	0	1.10	0.095	0.106	1.03	0.610	0.023	0.027	---	---	0.374	1982
1983	---	---	1.80	1.84	0.147	0.060	1.49	0.036	0.014	0.025	---	---	0.676	1983
1984	---	---	0.876	0.189	0.034	0.010	0.001	0	0.002	0.006	---	---	0.141	1984
1985	---	---	0.136	8.28	0.278	0.016	0.003	0.002	0.002	0.015	---	---	1.07	1985
1986	---	---	0.618	0.235	0.164	0.021	0.204	0.029	0.014	0.035	---	---	0.166	1986
1987	---	---	0.563	0.510	0.037	0.014	0.014	0.003	0.001	0.008	---	---	0.143	1987
1988	---	---	0.128	0.066	0.009	0.002	0	0	0	0.002	---	---	0.026	1988
1989	---	---	0.001	0.604	0.082	0.034	0.001	0.003	0.046	0.017	---	---	0.097	1989
1990	---	---	1.10	0.140	0.082	0.057	0.043	0.002	0	0.004	---	---	0.179	1990
MEAN	---	0.509	0.508	2.37	0.509	0.198	0.226	0.055	0.028	0.023	---	---	0.485	MEAN

LOCATION - LAT 51 33 43 N DRAINAGE AREA, 5 730 km^2
LONG 108 10 58 W REGULATED

EAGLE CREEK NEAR ANGLIA - STATION NO. 05GC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	2.44 ON APR 08	0 B ON MAR 01 *	2 040	1924
1925	---	18.5 ON MAR 31	0 ON MAR 01	13 500	1925
1971	28.3 AT 03:00 CST ON APR 11	26.8 ON APR 11	0.016B ON MAR 01	44 200	1971
1972	4.47B AT 19:00 CST ON APR 07	3.48 B ON APR 07	0 B ON MAR 01	7 290	1972
1973	---	2.25 B ON MAR 19	0 B ON MAR 01	3 540	1973
1974	50.7 AT 22:44 CST ON APR 19 *	45.3 ON APR 20 *	0 B ON MAR 01	32 400	1974
1975	47.3 AT 19:28 CST ON APR 20	42.8 A ON APR 21	0 B ON MAR 01	30 300	1975
1976	---	15.1 B ON APR 01	0 B ON MAR 01	12 600	1976
1977	1.19B AT 07:37 CST ON APR 10	0.816 ON MAY 21	0 B ON MAR 01	991	1977
1978	15.0 B AT 12:22 CST ON APR 01	14.3 B ON APR 01	0 B ON MAR 01	8 650	1978
1979	10.1 AT 07:07 CST ON APR 20	8.85 ON APR 20	0 B ON MAR 01	6 310	1979
1980	4.04B AT 00:05 CST ON MAR 30	3.28 B ON MAR 30	0 B ON MAR 01	1 730	1980
1981	2.39B AT 08:41 CST ON FEB 25	1.14 ON MAR 14	0 ON AUG 21	1 440	1981
1982	6.45B AT 05:18 CST ON APR 16	5.78 B ON APR 16	0 B ON MAR 01	7 910	1982
1983	16.2 B AT 16:53 CST ON MAR 30	14.8 B ON MAR 30	0 B ON MAR 04	14 300	1983
1984	2.69B AT 08:45 CST ON MAR 24	2.42 B ON MAR 24	0 ON JUL 17	2 980	1984
1985	38.1 AT 04:14 CST ON APR 04	32.2 ON APR 04	0 B ON MAR 01	22 700	1985
1986	2.31B AT 08:49 CST ON MAR 31	2.12 B ON MAR 31	0.001 ON SEP 02	3 510	1986
1987	3.71B AT 20:04 CST ON MAR 28	3.16 B ON MAR 29	0 B ON MAR 01	3 030	1987
1988	1.20B AT 20:26 CST ON MAR 26	0.904B ON MAR 27	0 ON JUN 23	546	1988
1989	3.74B AT 03:18 CST ON APR 05	2.91 B ON APR 05	0 B ON MAR 01	2 050	1989
1990	3.79B AT 04:05 CST ON MAR 08	3.44 B ON MAR 08	0 ON AUG 10	3 800	1990
				10 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAGLE CREEK NEAR ENVIRON - STATION NO. 05GC006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	---	0.009	0.001	0.015	0.034	---	---	---	1962
1963	---	---	0.235	2.01	0.533	0.192	0.193	0.028	0.019	0.020	---	---	0.399	1963
1964	---	---	0.125	0.914	0.389	0.066	0.013	0.007	0.017	0.028	---	---	0.193	1964
1965	---	---	0	18.9	7.23	0.699	0.375	0.111	0.077	0.063	---	---	3.39	1965
1966	---	---	0.103	9.91	0.717	0.720	0.265	0.115	0.090	0.077	---	---	1.47	1966
1967	---	---	0	0.028	7.21	0.450	0.093	0.043	0.071	0.058	---	---	1.00	1967
1968	---	---	1.46	1.13	0.316	0.289	0.043	0.033	0.114	0.124	---	---	0.437	1968
1969	---	---	0.004	27.8	3.75	0.634	0.259	0.105	0.155	0.271	---	---	4.06	1969
1970	---	---	0.014	33.5	6.95	1.19	3.67	1.91	1.03	0.814	---	---	6.07	1970
1971	---	---	0.046	10.7	5.72	2.66	1.36	0.476	0.140	0.115	---	---	2.63	1971
1972	---	---	0.382	3.10	0.896	0.341	0.068	0.074	0.067	0.046	---	---	0.615	1972
1973	---	---	0.304	1.39	0.673	0.202	0.192	0.035	0.033	0.002	---	---	0.352	1973
1974	---	---	0.085	6.86	7.62	1.54	1.54	0.616	0.436	0.203	---	---	2.36	1974
1975	---	---	0.097	5.37	7.38	1.22	0.484	0.159	0.039	0.091	---	---	1.85	1975
1976	---	---	0.071	8.25	0.853	0.402	0.248	0.074	0.123	0.033	---	---	1.24	1976
1977	---	---	0.101	0.475	0.685	0.209	0.017	0.006	0.010	0.016	---	---	0.189	1977
1978	---	---	0.136	4.09	0.869	0.111	0.008	0.004	0.010	0.012	---	---	0.646	1978
1979	---	---	0.089	6.60	1.19	0.292	0.058	0.056	0.057	0.020	---	---	1.03	1979
1980	---	---	0.063	2.34	0.198	0.026	0.007	0.003	0.005	0.015	---	---	0.327	1980
1981	---	0.011	1.05	0.634	0.057	0.016	0.014	0.010	0.010	0.024	---	---	0.227	1981
1982	---	---	0.069	1.95	0.717	0.326	0.084	0.263	0.159	0.068	---	---	0.451	1982
1983	---	---	0.216	6.41	1.07	0.181	1.62	0.349	0.095	0.041	---	---	1.24	1983
1984	---	---	0.148	1.27	0.327	0.111	0.015	0.003	0.167	0.026	---	---	0.255	1984
1985	---	---	0.187	16.6	2.39	0.370	0.058	0.006	0.018	0.014	---	---	2.42	1985
1986	---	---	0.722	0.960	0.378	0.438	0.375	0.136	0.045	0.032	---	---	0.385	1986
1987	---	---	0.224	1.56	0.217	0.025	0.045	0.051	0.034	0.027	---	---	0.270	1987
1988	---	---	0.049	0.144	0.030	0.003	0.001	0.005	0.001	0.004	---	---	0.029	1988
1989	---	---	0.025	0.523	0.486	0.202	0.015	0.006	0.008	0.043	---	---	0.163	1989
1990	---	---	1.74	0.726	0.302	0.112	0.132	0.009	0.006	0.021	---	---	0.383	1990
MEAN	---	0.011	0.277	6.22	2.11	0.465	0.388	0.162	0.105	0.081	---	---	1.22	MEAN

LOCATION - LAT 52 13 50 N LONG 107 22 40 W DRAINAGE AREA, 11 900 km^2 REGULATED

EAGLE CREEK NEAR ENVIRON - STATION NO. 05GC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	0 ON JUL 29 *	---	1962
1963	---	5.30 B ON APR 08	0 B ON MAR 01	8 450	1963
1964	---	1.48 B ON APR 18	0 B ON MAR 01	4 090	1964
1965	92.6 B ON APR 19	77.0 B ON APR 19	0 B ON MAR 01	71 800	1965
1966	44.2 ON APR 07	37.9 ON APR 07	0 B ON MAR 01	31 200	1966
1967	---	18.5 ON MAY 07	0 B ON MAR 01	21 200	1967
1968	---	4.53 B ON MAR 15	0.015A ON JUL 18	9 260	1968
1969	134 AT 20:10 CST ON APR 16	120 ON APR 17	0 B ON MAR 01	85 900	1969
1970	148 AT 14:08 CST ON APR 15 *	136 ON APR 15 *	0.014B ON MAR 01	128 000	1970
1971	71.4 AT 07:20 CST ON APR 16	36.8 ON APR 18	0.028B ON MAR 01	55 600	1971
1972	---	6.60 B ON APR 09	0.007B ON MAR 01	13 000	1972
1973	3.68 B AT 02:58 CST ON APR 02	2.83 B ON APR 02	0 ON AUG 20	7 450	1973
1974	43.9 AT 00:34 CST ON APR 28	42.8 B ON APR 27	0.012 ON SEP 26	49 900	1974
1975	42.2 AT 15:21 CST ON APR 29	41.3 ON APR 29	0.014 ON SEP 11	39 200	1975
1976	31.4 B AT 06:24 CST ON APR 09	27.0 B ON APR 09	0.014 ON AUG 22	26 200	1976
1977	1.51 AT 00:16 CST ON APR 13	1.30 ON MAY 24	0.004 ON JUL 29	4 010	1977
1978	15.1 B AT 08:50 CST ON APR 10	13.9 B ON APR 10	0.001 ON AUG 12	13 700	1978
1979	24.8 B AT 05:54 CST ON APR 23	19.7 B ON APR 23	0.001 ON AUG 27	21 800	1979
1980	8.07 B AT 07:55 CST ON APR 04	6.77 B ON APR 04	0.001B ON MAR 01	6 920	1980
1981	3.15 B AT 13:26 CST ON MAR 21	2.14 B ON MAR 18	0.001 ON MAY 12	4 800	1981
1982	7.67 AT 18:16 CST ON APR 25	7.60 ON APR 25	0.012 ON JUL 12	9 540	1982
1983	26.2 B AT 16:55 CST ON APR 07	22.9 B ON APR 08	0.013 ON OCT 27	26 200	1983
1984	5.76 B AT 23:45 CST ON APR 03	4.65 B ON APR 04	0 ON OCT 11	5 390	1984
1985	54.9 B AT 09:58 CST ON APR 09	43.5 B ON APR 09	0.001 ON AUG 07	51 200	1985
1986	3.38 B AT 11:53 CST ON APR 08	2.24 B ON APR 08	0.016 ON SEP 11	8 140	1986
1987	5.31 B AT 15:34 CST ON APR 07	4.52 B ON APR 07	0.003 ON JUN 28	5 710	1987
1988	0.365B AT 17:38 CST ON APR 03	0.274B ON APR 03	0.001 ON JUN 12	618	1988
1989	4.86 B AT 13:49 CST ON APR 15	2.86 B ON APR 15	0 ON AUG 05	3 440	1989
1990	7.63 B AT 09:59 CST ON MAR 17	5.10 B ON MAR 17	0.002 ON SEP 19	8 100	1990
				25 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAGLE CREEK NEAR KINLEY - STATION NO. 05GC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0	9.84	1.16	0.423	0.123	0.047	0.201	0.235	---	---	---	1921
1935	---	---	---	---	---	---	---	---	---	0.077	0.009	0.003	---	1935
1936	0.003	0.004	1.45	11.5	1.13	0.222	0.023	0	0	0.005	0.003	0.001	1.18	1936
1937	0	0	0	0.775	0.223	0.037	0	0	0	0	0	0	0.086	1937
1938	0	0.002	0.778	2.05	0.300	0.047	0.014	0	0.015	0.054	0.008	0.003	0.272	1938
1939	0.003	0.003	1.12	7.16	0.315	0.462	3.16	0.099	0.026	0.024	0.001	0	1.03	1939
1940	0	0	0	1.08	0.450	0.089	0.019	0	0	0	0	0	0.135	1940
MEAN	0.001	0.002	0.558	5.40	0.596	0.213	0.557	0.024	0.040	0.056	0.004	0.001	0.541	MEAN

LOCATION - LAT 52 03 22 N, LONG 107 21 30 W DRAINAGE AREA, 7 220 km^2 REGULATED

REMARKS - STATION LOCATED IN NE13-36-11-W3 DURING 1921

EAGLE CREEK NEAR KINLEY - STATION NO. 05GC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	28.3 E ON APR 17 *	0B ON MAR 01 *	---	1921
1935	---	---	---	---	1935
1936	---	27.2 ON APR 18	0 ON AUG 01	37 300	1936
1937	---	2.61 ON APR 16	0B ON JAN 01	2 710	1937
1938	---	4.22 ON APR 15	0B ON JAN 02	8 580	1938
1939	---	26.3 B ON APR 01	0B ON NOV 08	32 500	1939
1940	---	4.28 ON APR 25	0B ON JAN 01	4 280	1940
				17 100	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAGLE CREEK NEAR ROSETOWN - STATION NO. 05GC005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	0	3.03	0.013	0.248	0.264	0.096	0.024	0.031	---	---	0.456	1962
1963	---	---	1.43	0.906	0.133	0.010	0.091	0.015	0.006	0.009	---	---	0.326	1963
1964	---	---	0	0.587	0.118	0.007	0.001	0	0.035	0.045	---	---	0.098	1964
1965	---	---	0	20.2	0.728	0.244	0.125	0.003	0.028	0.027	---	---	2.62	1965
1966	---	---	2.86	4.08	0.070	0.358	0.062	0.018	0.001	0.020	---	---	0.927	1966
1967	---	---	0	4.49	3.53	0.057	0.002	0	0	0	---	---	1.00	1967
1968	---	---	1.23	0.118	0.021	0.097	0	0.009	0.015	0.052	---	---	0.194	1968
1969	---	---	0	20.5	1.01	0.090	0.089	0.018	0	0.027	---	---	2.67	1969
1970	---	---	0	22.8	2.91	2.39	4.15	1.48	0.918	0.324	---	---	4.32	1970
MEAN	---	---	0.61	8.52	0.948	0.389	0.532	0.182	0.114	0.059	---	---	1.40	MEAN

LOCATION - LAT 51 36 40 N, LONG 108 02 40 W DRAINAGE AREA, 6 130 km^2 REGULATED

EAGLE CREEK NEAR ROSETOWN - STATION NO. 05GC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	22.9 ON APR 06	0E ON MAR 01 *	9 650	1962
1963	---	9.20 ON MAR 29	0B ON MAR 01	6 900	1963
1964	---	2.33B ON APR 03	0B ON MAR 01	2 070	1964
1965	---	148 ON APR 14	0B ON MAR 01	55 400	1965
1966	---	32.6 ON MAR 31	0B ON MAR 01	19 600	1966
1967	---	19.9 B ON APR 28	0B ON MAR 01	21 200	1967
1968	---	4.93B ON MAR 02	0 ON JUL 07	4 120	1968
1969	---	180 ON APR 12 *	0 ON MAR 01	56 600	1969
1970	---	127 ON APR 11	0B ON MAR 01	91 400	1970
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		29 700	MEAN

EAGLE CREEK NEAR TESSIER - STATION NO. 05GC004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	0	4.97	0.190	0.106	0.097	0.064	0.066	0.058	---	---	0.681	1962
MEAN	---	---	0	4.97	0.190	0.106	0.097	0.064	0.066	0.058	---	---	0.681	MEAN

LOCATION - LAT 51 52 10 N DRAINAGE AREA, 6 970 km^2
LONG 107 26 40 W REGULATED

EAGLE CREEK NEAR TESSIER - STATION NO. 05GC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	53.8B ON APR 09 *	0B ON MAR 01 *	14 400	1962
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 400	MEAN

EAST FORK BATTLE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AB107

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0.347	1.22	1.57	0.042	0.022	0.006	0	0	---	---	0.400	1927
1928	---	---	0.433	1.20	0.013	0.029	0.024	0.031	0	0	---	---	0.213	1928
1929	---	---	0.004	0.101	0.093	0.048	0	0	0	0	---	---	0.031	1929
1930	---	0.049	1.63	0.620	0.007	0	0	0	0	0	0	0	0.283	1930
1931	0	0	0	0	0	0.049	0.014	0	0	0	0	0	0.008	1931
1932	0	0	0.187	0.051	0	0.108	0	0	0	0	0	0	0.043	1932
1933	0	0	0.012	0	0	0	0	0	0	0	---	---	0.002	1933
1934	---	---	0.271	0.025	0	0	0	0	0	0	0	0	0.037	1934
1935	0	0	0.231	0.485	0	0	0.134	0	0	0	0	0	0.106	1935
1936	0	0	0	1.31	0.001	0	0	0	0	0	0	0	0.161	1936
1937	0	0	0.105	0.494	0	0	0	0	0	0	---	---	0.074	1937
1938	---	---	0.389	0.305	0	0	0.021	0	0	0	---	---	0.089	1938
1939	---	---	1.79	0.003	0	0.243	0.001	0	0	0	---	---	0.257	1939
1940	---	---	0	1.95	0.061	0.029	0	0	0	0	---	---	0.251	1940
1941	---	---	1.54	0.004	0	0	0	0	0	0	---	---	0.195	1941
1942	---	---	0.494	0.101	0	0.716	0.017	0	0	0	---	---	0.165	1942
1943	---	---	1.29	0.076	0	0	0	0	0	0	---	---	0.173	1943
1944	---	---	0.386	0	0	0.006	0	0	0	0	---	---	0.050	1944
1945	---	---	0.186	0	0	0	0	0	0	0	---	---	0.024	1945
1946	---	---	0.667	0	0	0	0	0	0	0	---	---	0.084	1946
1947	---	---	0.202	0.087	0	0	0	0	0	0	---	---	0.036	1947
1948	---	---	0	0	0	0	0	0	0	0	---	---	0	1948
1949	---	---	0	0	0	0	0	0	0	0	---	---	0	1949
1950	---	---	0	2.08	0.004	0	0	0	0	0	---	---	0.255	1950
1951	---	---	0	0.627	0.082	0	0	0	0	0	---	---	0.087	1951
1952	---	---	0.006	5.78	0.022	0.001	0	0	0	0	---	---	0.712	1952
1953	---	---	0.012	0	0.017	0.040	0.013	0	0	0	0	---	0.010	1953
1954	---	---	0.006	1.72	0.002	0.030	0	0.026	0.003	0.011	---	---	0.220	1954
1955	---	---	0.379	2.78	0.087	0.001	2.12	0.019	0	0	---	---	0.670	1955
1956	---	---	0.047	0.092	0.003	0	0	0	0	0	---	---	0.017	1956
1957	---	---	0.076	0.301	0	0	0.078	0	0	0	---	---	0.056	1957
1958	---	---	0.937	0.208	0	0	0	0	0	0	---	---	0.144	1958
1959	---	---	0.242	0.067	0	0.304	0.011	0	0	0	---	---	0.077	1959
1960	---	---	2.05	0.012	0.024	0	0	0	0	0	---	---	0.264	1960
1961	---	---	0.190	0	0	0	0	0	0	0	---	---	0.024	1961
1962	---	---	0.702	0.027	0	0	0.062	0	0	0	---	---	0.100	1962
1963	---	---	0.120	0	0	0	0	0	0	0	---	---	0.015	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.890	0.023	0.006	0	0	0	0	---	---	0.113	1965
1966	---	---	0.906	0.024	0	0	0	0	0	0	---	---	0.110	1966
1967	---	---	0.546	1.20	0.561	0	0	0	0	0	---	---	0.287	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	1.61	0.007	0	0	0	0	0	---	---	0.198	1969
1970	---	---	0	0	0	0	0	0	0	0	---	---	0	1970
1971	---	---	0	0.015	0	0	0	0	0	0	---	---	0.002	1971
1972	---	---	0.107	0	0	0	0	0	0	0	---	---	0.014	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.612	0.194	0.652	0.001	0	0	0	0	---	---	0.184	1974
1975	---	---	0	0.350	0.041	0	0	0.040	0	0	---	---	0.053	1975
1976	---	---	0.871	0	0	0	0	0	0	0	---	---	0.110	1976
MEAN	0	0.007	0.359	0.520	0.065	0.033	0.050	0.002	0	0	0	0	0.128	MEAN

LOCATION - LAT 48 58 00 N DRAINAGE AREA, 182 km² INTERNATIONAL GAUGING STATION
LONG 109 08 00 W NATURAL FLOW

EAST FORK BATTLE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AB107

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	18.6 AT 07:00 MST ON MAY 23	13.1 ON MAY 23	0 ON MAR 01 *	8 470	1927
1928	12.2 AT 23:30 MST ON APR 01	0.10 ON APR 01	0B ON MAR 01	4 520	1928
1929	2.24 AT 08:00 MST ON APR 15	1.34 ON APR 15	0B ON MAR 01	646	1929
1930	8.33 B AT 23:00 MST ON MAR 29	6.77 B ON MAR 29	0B ON MAR 06	5 990	1930
1931	---	1.47 ON JUN 30	0 ON MAR 01	164	1931
1932	---	2.66 A ON MAR 25	0A ON MAR 01	914	1932
1933	0.093B AT 20:00 MST ON MAR 15	0.065B ON MAR 16	0 ON MAR 01	32.4	1933
1934	---	0.708B ON MAR 01	0B ON MAR 27	791	1934
1935	9.91 AT 22:00 MST ON APR 12	4.64 ON APR 12	0 ON MAR 01	2 240	1935
1936	---	14.4 ON APR 12	0 ON MAR 01	3 410	1936
1937	9.09 AT 03:30 MST ON APR 09	3.96 ON APR 09	0 ON MAR 01	1 560	1937
1938	6.91 AT 20:20 MST ON MAR 24	2.83 ON MAR 25	0 ON MAR 01	1 890	1938
1939	40.2 AT 23:00 MST ON MAR 21	18.3 ON MAR 22	0 ON MAR 01	5 430	1939
1940	21.3 AT 22:00 MST ON APR 20	15.9 ON APR 20	0 ON MAR 01	5 310	1940
1941	26.9 B AT 14:00 MST ON MAR 22	14.8 B ON MAR 22	0B ON MAR 01	4 120	1941
1942	13.5 AT 23:30 MST ON JUN 28	5.21 ON JUN 29	0 ON MAR 01	3 490	1942
1943	30.2 ON MAR 28	16.5 ON MAR 29	0 ON MAR 01	3 660	1943
1944	7.70 AT 13:00 MST ON MAR 18	3.96 ON MAR 18	0 ON MAR 01	1 050	1944
1945	3.00 AT 09:30 ON MAR 16	1.87 ON MAR 16	0 ON MAR 01	498	1945
1946	8.10 AT 12:15 MST ON MAR 12	3.07 ON MAR 11	0 ON MAR 01	1 790	1946
1947	2.38 B AT 01:00 MST ON MAR 27	1.50 ON MAR 28	0 ON MAR 01	767	1947
1948	---	0 ON MAR 01	0 ON MAR 01	0	1948
1949	---	0 ON MAR 01	0 ON MAR 01	0	1949
1950	30.9 AT 21:00 MST ON APR 12	13.7 ON APR 13	0 ON MAR 01	5 400	1950
1951	6.46 B AT 19:30 MST ON APR 05	3.28 B ON APR 06	0 ON MAR 01	1 850	1951
1952	62.3 AT 01:00 MST ON APR 07	39.1 ON APR 06 *	0B ON MAR 01	15 100	1952
1953	1.11 E ON JUN 03	0.566E ON JUN 03	0 ON MAR 01	216	1953
1954	40.8 B AT 02:15 MST ON APR 06	29.7 B ON APR 06	0B ON MAR 01	4 650	1954
1955	65.1 AT 22:30 MST ON JUL 12 *	19.3 ON JUL 12	0B ON MAR 01	14 200	1955
1956	1.42 B AT 08:30 MST ON MAR 27	0.510B ON MAR 27	0B ON MAR 01	370	1956
1957	6.57 AT 11:00 MST ON JUL 22	4.67 B ON APR 01	0B ON MAR 01	1 190	1957
1958	21.5 AT 03:45 MST ON MAR 31	10.6 ON MAR 31	0 ON MAR 01	3 050	1958
1959	30.0 ON JUN 27	5.21 ON JUN 27	0 ON MAR 01	1 640	1959
1960	25.5 AT 03:30 MST ON MAR 21	13.1 ON MAR 21	0 ON MAR 01	5 580	1960
1961	5.64 AT 04:00 MST ON MAR 16	3.06 ON MAR 16	0 ON MAR 01	508	1961
1962	11.8 AT 13:45 MST ON MAR 27	6.57 ON MAR 26	0 ON MAR 01	2 120	1962
1963	---	0.765A ON MAR 03	0 ON MAR 17	322	1963
1964	---	0 ON MAR 01	0 ON MAR 01	0	1964
1965	11.5 AT 21:15 MST ON APR 13	7.19 ON APR 14	0 ON MAR 01	2 390	1965
1966	4.79 B AT 16:15 MST ON MAR 16	3.28 ON MAR 17	0B ON MAR 01	2 490	1966
1967	10.1 AT 05:00 MST ON APR 04	7.70 ON APR 04	0 ON MAR 01	6 070	1967
1968	---	0 ON MAR 01	0 ON MAR 01	0	1968
1969	26.1 AT 00:30 MST ON APR 06	17.5 ON APR 05	0 ON MAR 01	4 200	1969
1970	---	0 ON MAR 01	0 ON MAR 01	0	1970
1971	0.566 AT 22:30 CST ON APR 10	0.195 ON APR 11	0 ON MAR 01	38.4	1971
1972	3.06 AT 01:30 MST ON MAR 18	1.59 ON MAR 18	0 ON MAR 01	287	1972
1973	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1973
1974	18.5 AT 11:00 CST ON MAY 21	13.5 ON MAY 21	0B ON MAR 01	3 890	1974
1975	3.34 AT 13:00 CST ON APR 20	2.18 ON APR 20	0 ON MAR 01	1 120	1975
1976	26.3 AT 04:00 CST ON MAR 18	13.4 ON MAR 18	0 ON MAR 01	2 330	1976
				2 720	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST POPLAR RIVER ABOVE COOKSON RESERVOIR - STATION NO. 11AE014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	0.960R	1.99 R	0.162R	0 R	0 R	0 R	0 R	0 R	---	---	0.385R	1979
1980	---	---	0.252	0.016	0	0	0	0	0	0	---	---	0.034	1980
1981	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	3.78	0.413	0.067	0.013	0	0	0	---	---	0.525	1982
1983	---	0.268	0.619	0.142	0.022	0.001	0	0	0	0	---	---	0.099	1983
1984	---	0.069	0.260	0.021	0	0	0	0	0	0	---	---	0.036	1984
1985	---	0.144	0.345	0.018	0	0	0	0.003	0.001	0.001	---	---	0.046	1985
1986	---	0.676	0.253	0.072	0.020	0	0.012	0	0	0.001	---	---	0.045	1986
1987	---	0.117	0.155	0.182	0	0	0	0	0	0	---	---	0.042	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.501	0.241	0.031	0	0	0	0	0	---	---	0.097	1989
1990	---	---	0.028	0.009	0	0	0.005	0	0	0	---	---	0.005	1990
MEAN	---	0.255	0.281R	0.539R	0.054R	0.006R	0.003R	0 R	0 R	0 R	---	---	0.110R	MEAN

LOCATION - LAT 49 13 51 N
LONG 105 32 36 W
DRAINAGE AREA, 143 km^2
NATURAL FLOW

R - REVISED SINCE JAN 01 1989

EAST POPLAR RIVER ABOVE COOKSON RESERVOIR - STATION NO. 11AE014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	19.4 AT 04:06 CST ON APR 17	13.8 R ON APR 17	ORB ON MAR 01 *	8 150	1979
1980	2.20 AT 04:21 CST ON MAR 29	1.36 ON MAR 29	0B ON MAR 01	716	1980
1981	---	0.018B ON MAR 01	0 ON MAR 12	5.70	1981
1982	42.7 AT 23:54 CST ON APR 14 *	30.0 ON APR 14 *	0B ON MAR 01	11 100	1982
1983	8.61 AT 04:26 CST ON MAR 29	4.22 ON MAR 29	0 ON JUN 03	2 090	1983
1984	5.03B AT 04:27 CST ON MAR 21	2.46 B ON MAR 21	0B ON MAR 07	752	1984
1985	9.09B AT 02:39 CST ON FEB 25	1.10 B ON MAR 11	0 ON APR 17	984	1985
1986	22.5 AT 01:10 CST ON FEB 26	1.41 ON MAR 01	0 ON JUN 01	954	1986
1987	8.20 AT 01:35 CST ON APR 01	1.37 ON APR 01	0B ON MAR 01	888	1987
1988	0 AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1988
1989	10.3 B AT 02:53 CST ON MAR 29	5.60 B ON MAR 29	0B ON MAR 01	2 050	1989
1990	1.12B AT 09:31 CST ON MAR 30	0.482B ON MAR 30	0B ON MAR 01	109	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		2 320	MEAN

EAST POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	0.190	0.242	0.119	0.069	0.057	0.048	0.121	0.120	---	---	---	1931
1932	---	---	1.05	0.475	0.141	0.091	0.079	1.28	0.126	0.144	---	---	---	1932
1933	---	---	0.776	0.367	0.401	0.460	0.234	0.095	0.079	0.057	---	---	---	1933
1934	---	---	0.430	0.317	0.110	0.052	0.020	0.028	0.072	0.099	---	---	---	1934
1935	---	---	1.40	0.204	0.148	0.317	0.173	0.082	0.052	0.042	0.028	0.014	---	1935
1936	0.014	0.014	0.237	1.21	0.228	0.097	0.062	0.068	0.066	0.065	0.042	0.028	0.176	1936
1937	0.028	0.028	0.069	0.273	0.237	0.122	0.155	0.062	0.083	0.105	---	---	---	1937
1938	---	---	1.91	0.275	0.246	0.154	0.158	0.069	0.078	0.097	---	---	---	1938
1939	---	---	6.26	0.196	0.165	0.530	0.079	0.030	0.064	0.064	---	---	---	1939
1940	---	---	0.128	1.76	0.245	0.173	0.128	0.346	0.104	0.134	---	---	---	1940
1941	---	---	2.99	0.306	0.187	0.299	0.191	0.097	0.107	0.124	---	---	---	1941
1942	---	---	2.52	1.13	0.160	0.152	0.190	0.121	0.337	0.214	---	---	---	1942
1943	---	---	8.74	1.65	0.182	0.295	0.170	0.075	0.095	0.124	---	---	---	1943
1944	---	---	---	0.368	0.153	0.218	0.125	0.157	0.076	0.095	---	---	---	1944
1945	---	---	1.19	0.263	0.191	0.151	0.089	0.113	0.145	0.085	---	---	---	1945
1946	---	---	2.62	0.255	0.141	0.141	0.160	0.054	0.047	0.104	---	---	---	1946
1947	---	---	2.51	4.83	0.244	0.429	0.136	0.137	0.132	0.148	---	---	---	1947
1948	---	---	0.223	6.80	0.550	0.119	0.119	0.097	0.078	0.079	---	---	---	1948
1949	---	---	1.72	1.12	0.169	0.115	0.057	0.064	0.087	0.099	---	---	---	1949
1950	---	---	0.057	6.82	0.319	0.221	0.129	0.132	0.121	0.128	---	---	---	1950
1951	---	---	0.068	2.73	0.747	0.157	0.119	0.110	0.175	0.162	---	---	---	1951
1952	---	---	0.073	12.9	0.614	0.132	0.152	0.108	0.116	0.145	---	---	---	1952
1953	---	---	0.556	0.434	0.355	0.978	0.673	0.113	0.128	0.156	---	---	---	1953
1954	---	---	0.892	6.64	1.35	0.311	0.143	0.232	0.334	0.198	0.178	---	---	1954
1955	---	---	2.21	8.93	4.44	0.195	0.154	0.089	0.105	0.132	---	---	---	1955
1956	---	---	1.02	0.799	0.254	0.151	0.085	0.035	0.062	0.108	---	---	---	1956
1957	---	---	0.322	0.391	0.177	0.137	0.096	0.083	0.127	0.203	---	---	---	1957
1958	---	---	2.39	0.806	0.159	0.136	0.118	0.074	0.110	0.121	---	---	---	1958
1959	---	---	0.343	0.235	0.168	0.118	0.093	0.084	0.094	0.144	---	---	---	1959
1960	---	---	6.80	0.291	0.172	0.150	0.191	0.106	0.108	0.117	---	---	---	1960
1961	---	---	0.905	0.193	0.212	0.124	0.078	0.060	0.108	0.096	---	---	---	1961
1962	---	---	3.10	0.822	0.205	0.436	0.328	0.096	0.105	0.139	---	---	---	1962
1963	---	0.557	2.41	0.351	0.245	0.390	0.231	0.116	0.124	0.108	---	---	---	1963
1964	---	---	0.135	1.28	0.183	0.168	0.101	0.070	0.100	0.113	---	---	---	1964
1965	---	---	0.016	2.62	0.552	0.314	0.232	0.081	0.149	0.171	---	---	---	1965
1966	---	---	1.65	0.205	0.237	0.144	0.101	0.093	0.110	0.270	---	---	---	1966
1967	---	---	1.74	5.23	0.407	0.149	0.083	0.056	0.125	0.145	---	---	---	1967
1968	---	---	3.18	0.257	0.144	0.141	0.154	0.150	0.175	0.128	---	---	---	1968
1969	---	---	0.028	8.47	0.299	0.127	0.155	0.116	0.099	0.135	---	---	---	1969
1970	---	---	1.12	3.36	1.42	0.200	0.172	0.087	0.109	0.120	---	---	---	1970
1971	---	---	1.02	1.68	0.193	0.155	0.091	0.078	0.110	0.128	---	---	---	1971
1972	---	---	5.07	0.359	0.289	0.303	0.155	0.131	0.148	0.153	---	---	---	1972
1973	---	---	0.218	0.264	0.246	0.163	0.113	0.066	0.084	0.106	---	---	---	1973
1974	---	---	3.82	6.14	0.295	0.247	0.108	0.088	0.120	0.136	---	---	---	1974
1975	0.094	0.081	0.261	12.1	1.79	1.19	1.29	0.258	0.122	0.022	0.017	0.018	1.43	1975
1976	0.042	0.150	4.06	5.73	0.812	2.86	3.08	0.406	0.087	0.076	0.050	0.040	1.45	1976
1977	0.048	0.065	0.074	0.067	0.484	0.393	0.051	0.056	0.057	0.059	0.062	0.051	0.122	1977
1978	0.047	0.045	0.101	0.077	0.084	0.106	0.076	0.056	0.066	0.067	0.067	0.061	0.071	1978
1979	0.060	0.057	1.68	3.98	1.15	0.658	0.181	0.093	0.116	0.131	0.125	0.124	0.696	1979
1980	0.125	0.115	0.122	0.205	0.372	0.077	0.075	0.079	0.078	0.080	0.086	0.078	0.124	1980
1981	0.076	0.086	0.092	0.629	0.218	0.174	0.064	0.068	0.065	0.075	0.077	0.074	0.100	1981
1982	0.036	0.026	0.205	8.66	0.988	0.566	0.124	0.081	0.082	0.091	0.086	0.086	0.919	1982
1983	0.088	0.092	0.826	0.571	0.359	0.099	0.081	0.073	0.076	0.085	0.082	0.075	0.210	1983
1984	0.084	0.096	0.098	0.129	0.115	0.103	0.071	0.073	0.087	0.090	0.081	0.074	0.092	1984
1985	0.078	0.072	0.085	0.105	0.227	0.090	0.069	0.079	0.083	0.089	0.077	0.078	0.095	1985
1986	0.082	0.157	2.26	0.191	0.295	0.100	0.087	0.072	0.082	0.080	0.076	0.074	0.300	1986
1987	0.073	0.082	0.089	0.313	0.338	0.073	0.077	0.071	0.069	0.075	0.076	0.073	0.117	1987
1988	0.070	0.077	0.101	0.078	0.189	0.070	0.063	0.059	0.062	0.066	0.070	0.067	0.081	1988
1989	0.067	0.059	0.093	0.079	0.175	0.071	0.059	0.056	0.061	0.062	0.059	0.054	0.075	1989
1990	0.057	0.056	0.065	0.063	0.170	0.057	0.052	0.049	0.045	0.052	0.052	0.044	0.064	1990
MEAN	0.065	0.101	1.48	2.18	0.428	0.274	0.199	0.118	0.106	0.113	0.073	0.062	0.360	MEAN

LOCATION - LAT 48 59 58 N LONG 105 24 32 W DRAINAGE AREA, 1 400 km^2 REGULATED SINCE 1975 INTERNATIONAL GAUGING STATION

EAST POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	1.04 AT 01:00 MST ON SEP 30	---	---	---	1931
1932	57.5 AT 01:00 MST ON AUG 13	22.0 ON AUG 13	0.059 ON JUN 22	---	1932
1933	---	---	---	---	1933
1934	---	0.850B ON MAR 23	---	---	1934
1935	---	9.91 B ON MAR 18	---	---	1935
1936	---	4.81 B ON APR 11	0 B ON MAR 01 *	5 580	1936
1937	0.748 AT 20:00 MST ON JUL 15	0.541B ON APR 14	---	---	1937
1938	26.9 B AT 15:30 MST ON MAR 15	25.5 B ON MAR 15	---	---	1938
1939	78.2 AT 13:00 MST ON MAR 22	68.0 ON MAR 22	0 ON MAR 01	---	1939
1940	27.0 AT 18:00 MST ON APR 15	21.2 B ON APR 15	---	---	1940
1941	21.3 B AT 12:30 MST ON MAR 27	11.9 B ON MAR 27	---	---	1941
1942	15.0 AT 04:30 MST ON APR 02	11.2 ON APR 02	---	---	1942
1943	58.0 AT 17:00 MST ON MAR 29	54.1 ON MAR 29	---	---	1943
1944	---	1.13 B ON APR 06	---	---	1944
1945	---	5.10 B ON MAR 13	---	---	1945
1946	14.0 B AT 06:00 MST ON MAR 14	12.5 B ON MAR 14	0 B ON MAR 01	---	1946
1947	28.1 AT 08:30 MST ON APR 11	24.0 ON APR 11	0 B ON MAR 01	---	1947
1948	65.4 B AT 17:00 MST ON APR 16	56.6 ON APR 17	---	---	1948
1949	---	10.2 B ON MAR 27	---	---	1949
1950	50.7 B ON APR 14	49.3 B ON APR 15	---	---	1950
1951	16.8 B AT 09:00 MST ON APR 30	12.9 B ON APR 30	---	---	1951
1952	53.5 B AT 04:00 MST ON APR 07	46.4 B ON APR 07	---	---	1952
1953	7.08 B AT 02:30 MST ON MAR 30	4.67 B ON MAR 29	---	---	1953
1954	64.3 B AT 11:30 MST ON APR 06	59.5 B ON APR 06	---	---	1954
1955	46.7 B AT 10:00 MST ON APR 01	43.0 B ON APR 01	---	---	1955
1956	7.96 B AT 19:00 MST ON MAR 25	5.24 B ON MAR 25	0 ON FEB 28	---	1956
1957	---	1.27 B ON MAR 23	---	---	1957
1958	---	17.8 B ON MAR 29	---	---	1958
1959	---	1.36 B ON MAR 18	---	---	1959
1960	53.8 B AT 04:00 MST ON MAR 21	48.1 B ON MAR 21	---	---	1960
1961	9.09 AT 17:00 MST ON MAY 30	6.14 B ON MAR 15	---	---	1961
1962	20.7 B AT 11:00 MST ON MAR 27	19.0 B ON MAR 27	---	---	1962
1963	20.4 B AT 05:00 MST ON MAR 23	16.7 B ON MAR 22	---	---	1963
1964	20.1 B AT 14:00 MST ON APR 01	14.7 B ON APR 01	---	---	1964
1965	---	22.7 B ON APR 13	0 B ON MAR 01	---	1965
1966	15.0 B AT 16:00 MST ON MAR 12	11.0 B ON MAR 12	0 B ON MAR 01	---	1966
1967	45.3 B AT 03:00 MST ON APR 09	39.4 B ON APR 09	0 B ON MAR 11	---	1967
1968	---	13.7 B ON MAR 06	---	---	1968
1969	66.3 AT 00:15 MST ON APR 06	58.9 ON APR 06	---	---	1969
1970	36.8 B AT 17:30 MST ON APR 06	34.0 B ON APR 06	---	---	1970
1971	24.1 B AT 16:30 CST ON APR 01	20.4 B ON APR 01	---	---	1971
1972	48.1 B AT 05:30 MST ON MAR 16	44.7 B ON MAR 16	---	---	1972
1973	0.425 AT 21:45 CST ON APR 20	0.396 ON APR 21	---	---	1973
1974	35.4 B AT 13:00 CST ON MAR 30	33.1 B ON MAR 30	---	---	1974
1975	114 AT 08:30 CST ON APR 23 *	94.6 ON APR 23 *	0.009B ON DEC 19	45 000	1975
1976	---	23.4 B ON MAR 24	0.015 ON JAN 09	43 800	1976
1977	2.04 AT 19:00 CST ON MAY 27	1.64 ON MAY 27	0.037E ON JAN 10	3 860	1977
1978	---	0.198E ON JUL 04	0.023E ON JUL 19	2 250	1978
1979	10.1 B AT 19:30 CST ON MAR 23	7.65 ON APR 24	0.051E ON JAN 01	21 900	1979
1980	0.736 AT 08:45 CST ON APR 16	0.680 ON MAY 16	0.065 ON JUL 12	3 930	1980
1981	0.425 AT 16:15 CST ON APR 28	0.340 ON APR 29	0.057B ON DEC 31	3 150	1981
1982	89.2 AT 13:00 CST ON APR 15	83.0 ON APR 15	0.023B ON JAN 16	29 000	1982
1983	2.73 B AT 00:00 CST ON MAR 15	2.66 B ON MAR 15	0.065 ON AUG 11	6 620	1983
1984	0.261 AT 03:15 CST ON JUN 15	0.198 ON JUN 15	0.065 ON JUL 27	2 900	1984
1985	0.425 AT 14:30 CST ON MAY 30	0.368A ON MAY 13	0.051 ON FEB 12	2 980	1985
1986	6.90 B AT 02:30 CST ON MAR 02	6.54 ON MAR 04	0.057B ON FEB 20	9 450	1986
1987	0.906 AT 15:00 CST ON APR 19	0.651 ON APR 19	0.059 ON JUN 15	3 700	1987
1988	0.241 AT 06:30 CST ON MAY 07	0.215 ON MAY 02	0.048B ON FEB 10	2 560	1988
1989	1.13 B AT 19:30 CST ON MAR 10	0.566B ON MAR 10	0.042B ON MAR 02	2 360	1989
1990	0.241 AT 17:15 CST ON MAY 15	0.195 ON MAY 15	0.020 ON JUN 12	2 010	1990
				11 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST POPLAR RIVER AT MORRISON DAM - STATION NO. 11AE011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	0.935	1.36	0.302	0.207	0.001	---	---	---	1975
MEAN	---	---	---	---	---	0.935	1.36	0.302	0.207	0.001	---	---	---	MEAN

LOCATION - LAT 49 01 42 N
LONG 105 25 54 W
REGULATED SINCE 1975

EAST POPLAR RIVER AT MORRISON DAM - STATION NO. 11AE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	0 ON SEP 25 *	---	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

EASTEND CANAL - STATION NO. 11AC052

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1937	---	---	0	0.167	0.317	0.190	0.148	0.089	0.012	0	---	---	0.115	1937
1938	---	---	0	0.060	0.039	0.190	0.053	0	0	0	---	---	0.042	1938
1939	---	---	0	0.186	0.178	0	0.365	0.355	0.011	0.087	---	---	0.149	1939
1940	---	---	0	0	0.106	0.349	0.643	0.165	0.008	0	---	---	0.159	1940
1941	---	---	0	0	0.258	0.569	0.714	0.166	0.002	0	---	---	0.214	1941
1942	---	---	0	0	0.374	0.588	0.667	0.535	0.215	0.097	---	---	0.310	1942
1943	---	---	0	0	0.093	0.775	0.756	0.740	0.300	0.223	---	---	0.361	1943
1944	---	---	0	0	0.203	0.629	0.714	0.458	0.099	0.005	---	---	0.264	1944
1945	---	---	0	0	0.234	0.620	0.810	0.484	0.031	0.004	---	---	0.274	1945
1946	---	---	0	0.009	0.601	0.657	0.739	0.305	0	0	---	---	0.290	1946
1947	---	---	0	0	0.498	0.381	0.901	0.356	0	0	---	---	0.269	1947
1948	---	---	0	0	0.233	0.795	0.774	0.389	0.017	0	---	---	0.276	1948
1949	---	---	0	0.084	1.11	0.968	0.390	0.259	0	0	---	---	0.352	1949
1950	---	---	0	0	0.118	0.606	0.693	0.213	0.043	0.024	---	---	0.212	1950
1951	---	---	0	0	0.005	0.452	0.615	0.395	0.004	0	---	---	0.184	1951
1953	---	---	0	0	0	0	0.474	0.206	0.010	0	---	---	0.087	1953
1954	---	---	0	0	0	0.228	0.754	0.083	0	0	---	---	0.134	1954
1955	---	---	0	0	0	0.669	0.007	0.147	0.032	0	---	---	0.105	1955
1956	---	---	0	0	0.246	0.987	0.302	0.459	0.091	0	---	---	0.260	1956
1957	---	---	0	0	0.606	0.791	0.338	0.484	0	0	---	---	0.277	1957
1958	---	---	0	0.035	0.434	1.07	0.526	0.589	0	0	---	---	0.331	1958
1959	---	---	0	0.099	0.523	1.06	0.174	0.966	0.117	0	---	---	0.367	1959
1960	---	---	0	0.059	0.318	1.03	0.932	0.485	0	0	---	---	0.353	1960
1961	---	---	0	0.187	0.791	0.655	0.987	0.156	0	0	---	---	0.348	1961
1962	---	---	0	0.382	0.766	0.300	0.164	0.452	0.002	0	---	---	0.259	1962
1963	---	---	0	0.215	0.605	0.203	0.330	0.746	0.011	0	---	---	0.265	1963
1964	---	---	0	0.002	0.113	0.880	0.546	0.142	0	0	---	---	0.209	1964
1965	---	---	0	0.001	0.368	0.858	0.001	0	0	0	---	---	0.152	1965
1966	---	---	0	0.001	0.163	1.17	0.262	0.493	0	0	---	---	0.259	1966
1967	---	---	0	0	0	1.18	1.05	0.490	0	0	---	---	0.340	1967
1968	---	---	0	0	1.03	0.747	1.00	0.538	0	0	---	---	0.416	1968
1969	---	---	0	0.001	0.356	1.05	0.001	0.764	0.011	0	---	---	0.272	1969
1970	---	---	0	0	0.697	0.594	0.488	0.218	0	0	---	---	0.250	1970
1971	---	---	0	0	0.575	0.815	0.648	0.542	0.001	0	---	---	0.323	1971
1972	---	---	0	0	1.09	0.168	0.868	0.367	0	0	---	---	0.315	1972
1973	---	---	0	0	0.997	0.401	0.649	0.319	0	0	---	---	0.298	1973
1974	---	---	0	0	0.001	0.877	0.567	0.313	0	0	---	---	0.219	1974
1975	---	---	0	0	0	0.765	0.419	0.424	0.002	0	---	---	0.201	1975
1976	---	---	0	0	1.10	0.214	0.394	0.521	0.004	0	---	---	0.281	1976
1977	---	---	0	0	1.32	0.005	1.19	0.001	0	0	---	---	0.318	1977
1978	---	---	0	0	0.458	0.333	0.544	0.284	0	0	---	---	0.203	1978
1979	---	---	0	0	0.175	1.14	0.474	0.606	0	0	---	---	0.299	1979
1980	---	---	0	0	1.11	0.433	0.889	0.368	0	0	---	---	0.353	1980
1981	---	---	0	0	1.26	0	0.693	0.406	0	0	---	---	0.299	1981
1982	---	---	0	0	0.153	0	0.146	0.767	0	0	---	---	0.135	1982
1983	---	---	0	0	0.672	0.336	0.483	0.440	0	0	---	---	0.243	1983
1984	---	---	0	0.154	0.764	0	0.439	0	0	0	---	---	0.171	1984
1985	---	---	0	0	1.28	0.247	0	0	0	0	---	---	0.192	1985
1986	---	---	0	0.119	0.291	1.22	0.744	0	0	0	---	---	0.294	1986
1987	---	---	0	0	1.02	0	0.693	0	0	0	---	---	0.216	1987
1988	---	---	0	0	1.18	0	0	0	0	0	---	---	0.150	1988
1989	---	---	0	0	1.38	0	0.936	0.004	0	0	---	---	0.294	1989
1990	---	---	0	0	1.13	0.109	0.771	0	0	0	---	---	0.253	1990
MEAN	---	---	0	0.033	0.516	0.534	0.545	0.334	0.019	0.008	---	---	0.249	MEAN

LOCATION - LAT 49 30 21 N
LONG 108 51 00 W

REGULATED SINCE 1937

INTERNATIONAL GAUGING STATION

EASTEND CANAL - STATION NO. 11AC052

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1937	---	0.597 ON MAY 02	0 ON MAR 01 *	2 440	1937
1938	---	0.309 ON JUN 18	0 ON MAR 01	896	1938
1939	---	0.841 ON AUG 03	0 ON MAR 01	3 150	1939
1940	---	0.889 ON JUL 05	0 ON MAR 01	3 370	1940
1941	---	0.946 ON JUN 27	0 ON MAR 01	4 530	1941
1942	---	0.900 ON JUL 15	0 ON MAR 01	6 560	1942
1943	---	1.05 ON JUN 18	0 ON MAR 01	7 640	1943
1944	---	0.878 ON JUL 22	0 ON MAR 01	5 580	1944
1945	---	1.02 ON JUL 05	0 ON MAR 01	5 790	1945
1946	---	1.02 ON JUN 05	0 ON MAR 01	6 130	1946
1947	---	1.06 ON JUL 11	0 ON MAR 01	5 690	1947
1948	---	0.985 ON JUN 25	0 ON MAR 01	5 850	1948
1949	---	1.76 ON MAY 11	0 ON MAR 01	7 440	1949
1950	---	1.26 ON JUL 26	0 ON MAR 01	4 490	1950
1951	---	1.17 ON AUG 01	0 ON MAR 01	3 900	1951
1953	---	0.940E ON JUL 14	0 ON MAR 01	1 850	1953
1954	---	1.07 ON JUL 21	0 ON MAR 01	2 840	1954
1955	---	1.25 ON JUN 17	0 ON MAR 01	2 230	1955
1956	---	1.36 ON JUN 16	0 ON MAR 01	5 490	1956
1957	---	1.37 ON MAY 30	0 ON MAR 01	5 870	1957
1958	---	1.42 ON MAY 27	0B ON MAR 01	7 010	1958
1959	---	1.44 ON JUN 04	0 ON MAR 01	7 760	1959
1960	---	1.53 ON JUN 06	0 ON MAR 01	7 470	1960
1961	---	1.47 ON JUL 14	0 ON MAR 01	7 360	1961
1962	---	1.09 ON JUN 01	0 ON MAR 01	5 480	1962
1963	---	1.20 ON MAY 28	0 ON MAR 01	5 610	1963
1964	---	1.34 ON JUN 02	0 ON MAR 01	4 430	1964
1965	---	1.33 ON JUN 12	0 ON MAR 01	3 210	1965
1966	---	1.43 ON JUN 05	0 ON MAR 01	5 490	1966
1967	---	1.73 ON JUN 15	0 ON MAR 01	7 190	1967
1968	---	2.01 ON JUL 24	0 ON MAR 01	8 810	1968
1969	---	1.57 ON MAY 30	0 ON MAR 01	5 770	1969
1970	---	1.70 ON MAY 25	0B ON MAR 01	5 300	1970
1971	---	2.02 ON MAY 30	0 ON MAR 01	6 840	1971
1972	---	1.93 ON MAY 25	0 ON MAR 01	6 670	1972
1973	---	2.19 ON MAY 19	0 ON MAR 01	6 300	1973
1974	---	1.95 ON JUN 27	0 ON MAR 01	4 630	1974
1975	---	2.30 ON JUN 13	0 ON MAR 01	4 240	1975
1976	---	2.36 E ON MAY 18	0 ON MAR 01	5 960	1976
1977	---	2.07 ON MAY 14	0 ON MAR 01	6 730	1977
1978	---	1.66 ON MAY 27	0 ON MAR 01	4 300	1978
1979	---	1.89 ON JUL 25	0 ON MAR 01	6 320	1979
1980	---	2.01 ON MAY 25	0 ON MAR 01	7 470	1980
1981	---	2.19 ON MAY 07	0 ON MAR 01	6 320	1981
1982	---	1.37 ON AUG 05	0 ON MAR 01	2 850	1982
1983	---	2.01 ON MAY 28	0 ON MAR 01	5 140	1983
1984	---	2.19 ON MAY 09	0 ON MAR 01	3 620	1984
1985	---	2.41 ON MAY 23	0 ON MAR 01	4 070	1985
1986	---	2.44 ON JUN 04 *	0 ON MAR 01	6 230	1986
1987	---	2.09 ON MAY 22	0 ON MAR 01	4 580	1987
1988	---	2.11 ON MAY 11	0 ON MAR 01	3 170	1988
1989	---	2.14 ON MAY 14	0 ON MAR 01	6 220	1989
1990	---	2.36 ON MAY 24	0 ON MAR 01	5 360	1990
				5 280	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ECHO CREEK AT FORT QU'APPELLE - STATION NO. 05JK008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.102	0.006	0	0	0	0	0	0	---	---	0.014	1984
1985	---	---	0.650	1.85	0.089	0	0	0	0	0	---	---	0.320	1985
1986	---	---	0.640	0.185	0.363	0	0	0	0	0	---	---	0.150	1986
1987	---	---	0.061	0.002	0	0	0	0	0	0	---	---	0.008	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	---	1.78	2.37	0.412	0	0	0	0	0	---	---	0.568	1990
MEAN	---	---	0.462	0.630	0.123	0	0	0	0	0	---	---	0.151	MEAN

LOCATION - LAT 50 45 38 N
LONG 103 47 50 W NATURAL FLOW

ECHO CREEK AT FORT QU'APPELLE - STATION NO. 05JK008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0.760E ON MAR 27	0 ON MAR 01 *	289	1984
1985	8.62 AT 22:50 CST ON APR 01	7.04 ON APR 02	0B ON MAR 01	6 760	1985
1986	6.59B AT 07:58 CST ON MAR 03	4.64 B ON MAR 03	0 ON APR 01	3 170	1986
1987	1.03B AT 14:07 CST ON MAR 26	0.499B ON MAR 26	0B ON MAR 01	169	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1989
1990	26.8 AT 22:09 CST ON MAR 30 *	24.6 ON MAR 31 *	0B ON MAR 01	12 000	1990
				3 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EKAPO CREEK NEAR BROADVIEW - STATION NO. 05JM009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	1.35	0.405	0.032	---	---	---	---	---	1955
1956	---	---	---	---	1.16	0.230	0.160	---	---	---	---	---	---	1956
MEAN	---	---	---	---	1.16	0.790	0.283	0.032	---	---	---	---	---	MEAN

LOCATION - LAT 50 23 17 N, LONG 102 39 40 W DRAINAGE AREA, 308 km² NATURAL FLOW

DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

EKAPO CREEK NEAR BROADVIEW - STATION NO. 05JM009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1955					
1956	---	---	---	---	1955
	---	---	---	---	1956
				---	MEAN

EKAPO CREEK NEAR MARIEVAL - STATION NO. 05JM010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	---	4.38	0.359	---	---	---	---	---	---	---	1956
1969	---	---	0	4.06	0.171	0.055	0.005	0	0	0	---	---	0.526	1969
1970	---	---	0	2.52	1.74	0.287	0.006	0	0	0	---	---	0.564	1970
1971	---	---	0	2.55	0.086	0	0	0	0	0	---	---	0.323	1971
1972	---	---	1.27	1.07	0.185	0.007	0	0	0	0	---	---	0.316	1972
1973	---	---	0.020	0.005	0.007	0.021	0.001	0.001	0.004	0	---	---	0.007	1973
1974	---	---	0	5.19	1.67	0.178	0.009	0.067	0.003	0.013	---	---	0.881	1974
1975	---	---	0	7.98	4.32	0.133	0.045	0.003	0.001	0.001	---	---	1.55	1975
1976	---	---	0.004	11.7	0.819	0.044	0.003	0.001	0.001	0	---	---	1.34	1976
1977	---	---	0.002	0.010	0.011	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.031	0.928	0.130	0.003	0.002	0.001	0.001	0.001	---	---	0.135	1978
1979	---	---	0	5.97	2.80	0.125	0.001	0.001	0	0	---	---	1.10	1979
1980	---	---	0	0.845	0.009	0.001	0.001	0.001	0.001	0.001	---	---	0.105	1980
1981	---	0.020	0.011	0.001	0.001	0.001	0.001	0.001	0	0	---	---	0.002	1981
1982	---	---	0.026	1.91	0.039	0.003	0.021	0.002	0.001	0.002	---	---	0.245	1982
1983	---	---	0	3.54	0.840	0.087	0.044	0.002	0	0	---	---	0.557	1983
1984	---	---	0.019	0.019	0.007	0.003	0.001	0	0	0	---	---	0.006	1984
1985	---	---	1.53	2.21	0.014	0.008	0.002	0.002	0.005	0.016	---	---	0.469	1985
1986	---	---	1.21	0.405	0.258	0.043	0.016	0.056	0.003	0.004	---	---	0.250	1986
1987	---	---	0.504	0.751	0.064	0.002	0.003	0.002	0	0.001	---	---	0.165	1987
1988	---	---	0.002	0.060	0.023	0.007	0.001	0	0	0	---	---	0.011	1988
1989	---	---	0	0	0	0.002	0	0	0	0	---	---	0	1989
1990	---	---	0.605	1.30	0.015	0.005	0.005	0.001	0	0	---	---	0.239	1990
MEAN	---	0.020	0.238	2.41	0.765	0.060	0.008	0.006	0.001	0.002	---	---	0.409	MEAN

LOCATION - LAT 50 31 47 N, LONG 102 42 37 W DRAINAGE AREA, 1 100 km² NATURAL FLOW

REMARKS - RECORDS PRIOR TO 1973 COLLECTED ABOUT 8.0 KM DOWNSTREAM

EKAPO CREEK NEAR MARIEVAL - STATION NO. 05JM010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	---	29.7 ON APR 18	---	---	1956
1969	---	12.4 B ON APR 10	0 B ON MAR 01 *	11 100	1969
1970	---	7.79 ON APR 11	0 B ON MAR 01	11 900	1970
1971	---	9.17 ON APR 08	0 B ON MAR 01	6 830	1971
1972	---	6.31 B ON MAR 23	0 B ON MAR 01	6 690	1972
1973	---	0.425E ON JUN 03	0 B ON MAR 01	156	1973
1974	28.6 AT 21:30 CST ON APR 18	24.3 ON APR 18	0 B ON MAR 01	18 600	1974
1975	28.0 AT 13:26 CST ON APR 29	27.6 ON APR 29	0 B ON MAR 01	32 700	1975
1976	57.8 AT 01:49 CST ON APR 09 *	44.7 ON APR 09 *	0 ON JUL 11	32 600	1976
1977	0.065 AT 03:28 CST ON MAY 05	0.040 ON MAY 05	0 B ON MAR 01	61.6	1977
1978	3.94 B AT 23:50 CST ON APR 02	3.11 B ON APR 03	0 B ON MAR 01	2 860	1978
1979	42.3 AT 23:31 CST ON APR 21	34.0 ON APR 22	0 B ON MAR 01	23 300	1979
1980	3.90 B AT 21:05 CST ON APR 05	2.61 B ON APR 05	0 B ON MAR 01	2 230	1980
1981	---	0.037B ON MAR 01	0 ON AUG 12	43.2	1981
1982	10.0 B AT 23:00 CST ON APR 14	9.66 B ON APR 15	0 B ON MAR 01	5 190	1982
1983	17.5 AT 19:25 CST ON APR 21	16.1 ON APR 22	0 B ON MAR 01	11 800	1983
1984	0.144B AT 08:53 CST ON MAR 28	0.102B ON MAR 28	0 B ON MAR 01	128	1984
1985	13.8 AT 22:01 CST ON APR 02	10.4 ON APR 02	0 B ON MAR 01	9 930	1985
1986	3.27 AT 16:19 CST ON AUG 06	2.46 B ON MAR 25	0.002 ON AUG 27	5 300	1986
1987	1.84 AT 19:48 CST ON MAR 31	1.38 ON APR 01	0 ON JUN 14	3 490	1987
1988	0.167 AT 14:01 CST ON APR 08	0.154 ON APR 08	0 ON JUL 04	242	1988
1989	---	0.008 ON JUN 19	0 ON MAR 01	6.39	1989
1990	6.75 B AT 21:00 CST ON APR 01	5.99 B ON APR 03	0 B ON MAR 01	5 060	1990
				8 650	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELBOW DIVERSION CANAL AT DROP STRUCTURE - STATION NO. 05JG006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	0	0	0.489	1.38	1.75	2.49	2.46	0.088	0	0	0.724	1959
1960	0	0	0	0.038	0.076	0.056	0.847	2.47	0.147	0.010	0.003	0	0.308	1960
1961	0	0	0	0.258	2.65	2.54	2.58	2.59	2.59	0.038	0.002	0	1.11	1961
1962	0	0	0	0	0.086	2.54	2.48	2.47	2.40	0.126	0.009	0	0.846	1962
1963	0	0	0	1.12	2.56	2.59	1.50	0.436	2.57	1.85	0.320	0	1.08	1963
1964	0	0	0	0.057	0.057	0.070	0	2.21	2.61	2.67	1.70	0.055	0.787	1964
1965	0	0	0	0	0.224	0.091	0.002	0.002	0	0	0	0	0.027	1965
1966	0	0	0	0	0.011	0.007	0.001	0.007	0.009	0.010	0	0	0.004	1966
1967	0	0	0	0.028	0.020	1.32	4.56	5.77	5.16	5.59	5.92	5.08	2.81	1967
1968	4.68	0	0	0	1.88	4.57	4.46	0.508	0.030	0.024	7.12	4.38	2.31	1968
1969	4.39	1.03	0	0	0.013	0.018	2.64	1.55	4.13	0.467	2.52	2.81	1.64	1969
1970	1.54	1.42	0	0.018	0.021	0.036	0.033	0.033	0.038	0.162	2.79	2.67	0.724	1970
1971	1.61	1.27	0.106	0.024	0.233	0.029	0.041	0.539	0.100	1.44	2.57	1.42	0.779	1971
1972	1.42	1.14	0.170	0.049	4.65	3.66	6.17	3.98	1.09	0.590	3.36	1.42	2.32	1972
1973	1.42	0.096	0.241	5.46	6.37	1.31	5.51	5.97	0.665	2.04	1.69	1.30	2.70	1973
1974	1.24	0.316	0.035	0.047	0.055	0.048	0.199	0.603	0.041	0.041	3.45	1.85	0.660	1974
1975	1.42	1.20	0.034	0.041	0.041	0.404	0.936	1.96	2.24	1.59	1.67	1.59	1.09	1975
1976	1.53	0.373	0.051	0.056	0.120	0.200	0.496	0.785	2.73	1.40	1.75	1.50	0.916	1976
1977	1.07	1.12	1.14	1.24	3.68	3.83	3.06	3.45	3.36	3.30	1.50	1.22	2.34	1977
1978	1.21	0.942	0.065	0.050	0.521	0.889	2.69	3.84	3.76	1.88	1.32	1.32	1.55	1978
1979	1.25	1.18	0.023	0.037	0.109	0.285	1.07	3.29	3.71	1.72	1.40	1.28	1.28	1979
1980	1.27	1.21	0.103	0.100	1.45	6.70	7.10	5.76	3.88	1.74	1.80	1.85	2.75	1980
1981	1.79	1.11	0.787	4.01	9.69	10.5	10.1	8.24	4.76	0.581	1.13	1.26	4.51	1981
1982	1.25	1.28	0.785	0.034	0.033	0.461	0.967	1.62	2.97	1.98	1.75	1.36	1.25	1982
1983	1.32	1.28	0.627	0.057	0.842	2.72	2.48	3.68	3.55	1.48	1.48	1.49	1.75	1983
1984	1.45	1.44	0.734	1.65	4.86	5.07	6.22	8.62	3.44	1.79	1.47	1.46	3.20	1984
1985	1.26	1.32	1.03	0.069	0.256	3.04	5.35	5.73	3.02	1.37	1.59	1.39	2.13	1985
1986	1.35	1.37	1.42	2.13	7.82	5.26	5.06	3.54	3.36	1.60	1.53	1.46	3.00	1986
1987	1.48	1.69	1.66	2.75	6.54	9.92	10.7	5.12	4.07	4.12	1.78	1.38	4.29	1987
1988	1.53	1.58	1.57	3.64	11.6	6.64	6.71	6.98	4.24	2.58	1.57	1.69	4.21	1988
1989	1.76	1.71	2.01	4.50	13.7	14.4	14.1	9.39	3.59	5.47	1.73	1.67	6.21	1989
1990	1.60	0.936	1.49	3.89	11.8	12.4	10.6	6.73	6.25	2.45	1.44	1.36	5.10	1990
MEAN	1.21	0.782	0.440	0.980	2.89	3.22	3.76	3.45	2.59	1.57	1.76	1.38	2.01	MEAN

LOCATION - LAT 50 58 40 N
LONG 106 23 55 W REGULATED

ELBOW DIVERSION CANAL AT DROP STRUCTURE - STATION NO. 05JG006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	2.78 ON SEP 26	0 E ON JAN 01 *	22 800	1959
1960	---	2.55 ON AUG 05	0 E ON JAN 01	9 750	1960
1961	---	2.83 ON MAY 12	0 E ON JAN 01	35 000	1961
1962	---	2.67 ON AUG 07	0 E ON JAN 01	26 700	1962
1963	---	2.79 ON JUN 06	0 E ON JAN 01	34 100	1963
1964	---	2.75 ON SEP 07	0 E ON JAN 01	24 900	1964
1965	---	1.25 ON MAY 24	0 E ON JAN 01	845	1965
1966	---	0.088 ON MAY 25	0 E ON JAN 01	118	1966
1967	---	6.09 ON OCT 21	0 E ON JAN 01	88 500	1967
1968	---	11.3 ON NOV 14	0 E ON FEB 01	73 000	1968
1969	---	7.56 ON SEP 12	0 ON FEB 18	51 600	1969
1970	---	2.92 ON OCT 31	0 B ON MAR 01	22 800	1970
1971	---	3.20 ON OCT 21	0 B ON MAR 06	24 600	1971
1972	---	11.7 ON MAY 21	0 B ON MAR 10	73 300	1972
1973	---	8.95 ON MAY 11	0.011B ON FEB 06	85 100	1973
1974	---	4.45 ON NOV 16	0.028B ON APR 01	20 800	1974
1975	---	3.06 ON SEP 16	0.034B ON FEB 25	34 500	1975
1976	---	2.92 ON AUG 31	0.031 ON JUL 01	29 000	1976
1977	---	3.91 ON MAY 25	0.040 ON JUL 19	73 800	1977
1978	---	3.91 ON AUG 28	0.040B ON APR 13	48 800	1978
1979	---	3.79 ON OCT 07	0.012B ON FEB 24	40 400	1979
1980	---	8.72 ON JUL 01	0 B ON MAR 04	87 000	1980
1981	---	11.4 ON JUL 13	0.041 ON OCT 27	142 000	1981
1982	---	3.06 ON SEP 28	0.029 ON MAY 05	38 000	1982
1983	---	3.87 ON JUL 30	0.039 ON APR 04	55 300	1983
1984	---	8.96 ON AUG 19	0.042 ON MAR 24	101 000	1984
1985	---	6.06 ON JUL 24	0.040 ON MAY 04	67 100	1985
1986	11.3 AT 22:49 CST ON JUN 01	11.1 ON JUN 01	1.34 B ON DEC 28	94 800	1986
1987	12.4 AT 16:28 CST ON JUL 08	11.8 ON JUL 16	1.23 ON NOV 07	135 000	1987
1988	13.6 AT 17:45 CST ON MAY 29	13.0 ON MAY 21	1.20 ON NOV 03	133 000	1988
1989	15.8 AT 22:01 CST ON JUL 10 *	15.7 ON JUL 10 *	0.092 ON SEP 13	196 000	1989
1990	---	12.9 ON JUN 21	0.690 ON OCT 16	161 000	1990
				63 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ENGLISHMAN RIVER NEAR SPRUCE LAKE - STATION NO. 05EF006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0	1.35	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0	1.23	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	---	0.513	0.177	---	---	---	---	---	---	---	1973
1975	---	---	0	1.62	1.18	0.576	1.33	0.180	0.087	0.189	---	---	0.644	1975
1976	---	---	0.004	1.22	0.278	0.271	0.294	0.069	0.197	0.158	---	---	0.308	1976
1977	---	---	0.162	0.608	0.895	0.101	0.164	0.245	0.198	0.083	---	---	0.307	1977
1978	---	---	0.095	1.16	1.36	0.478	0.044	0.082	0.186	0.173	---	---	0.447	1978
1979	---	---	0.101	1.64	2.25	0.421	0.218	0.079	0.055	0.111	---	---	0.609	1979
1980	---	---	0	1.13	0.172	0.149	0.125	0.201	0.290	0.213	---	---	0.282	1980
1981	---	---	0.244	1.79	0.175	0.052	0.091	0.048	0.093	0.070	---	---	0.305	1981
1982	---	---	0	0.574	0.303	0.080	0.263	0.365	0.097	0.180	---	---	0.232	1982
1983	---	---	0.103	0.732	0.149	0.103	0.278	0.048	0.151	0.144	---	---	0.212	1983
1984	---	---	0.162	1.02	1.11	0.883	0.134	0.055	0.111	0.152	---	---	0.451	1984
1985	---	---	0.074	2.16	0.801	0.641	0.046	0.018	0.049	0.140	---	---	0.486	1985
1986	---	---	0.109	1.48	0.548	0.298	0.773	1.78	0.123	0.145	---	---	0.658	1986
1987	---	---	0.052	1.71	0.339	0.143	0.115	0.056	0.079	0.098	---	---	0.320	1987
1988	---	---	0.074	0.634	0.233	0.473	4.09	1.60	0.714	0.312	---	---	1.02	1988
1989	---	---	0.009	1.11	0.392	0.345	0.237	0.066	0.075	0.146	---	---	0.295	1989
1990	---	---	0.137	1.92	0.840	0.127	0.163	0.042	0.037	0.129	---	---	0.421	1990
MEAN	---	---	0.074	1.28	0.680	0.313	0.523	0.308	0.153	0.153	---	---	0.437	MEAN

LOCATION - LAT 53 34 32 N LONG 109 09 25 W DRAINAGE AREA, 393 km² NATURAL FLOW

ENGLISHMAN RIVER NEAR SPRUCE LAKE - STATION NO. 05EF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	3.94B ON APR 20	0 B ON MAR 01 *	---	1970
1971	---	5.21B ON APR 16	0 B ON MAR 01	---	1971
1973	---	---	---	---	1973
1975	---	7.14 ON APR 27	0 B ON MAR 01	13 600	1975
1976	---	2.75B ON APR 07	0 B ON MAR 01	6 530	1976
1977	---	1.83 ON MAY 21	0.003E ON JUN 15	6 500	1977
1978	2.75 AT 07:10 CST ON MAY 02	2.57 ON MAY 02	0.001 ON JUL 25	9 470	1978
1979	10.8 AT 14:39 CST ON MAY 01	10.5 ON MAY 01	0.023 ON SEP 22	12 900	1979
1980	4.74B AT 05:30 CST ON APR 15	4.41B ON APR 15	0 B ON MAR 01	5 960	1980
1981	5.06B AT 10:23 CST ON APR 07	3.95B ON APR 05	0.001 ON SEP 03	6 460	1981
1982	2.99B AT 06:24 CST ON APR 24	2.71B ON APR 24	0 B ON MAR 01	4 920	1982
1983	2.34B AT 08:55 CST ON APR 04	1.57B ON APR 06	0.004 ON SEP 04	4 490	1983
1984	2.76 AT 08:20 CST ON MAY 24	2.42 ON MAY 25	0.013 ON AUG 08	9 540	1984
1985	5.06 AT 15:52 CST ON APR 16	4.74 ON APR 16	0.004E ON AUG 21	10 300	1985
1986	10.5 AT 13:15 CST ON AUG 01	9.73 ON AUG 01	0.050 ON JUN 16	13 900	1986
1987	4.46 AT 01:24 CST ON APR 08	3.92 ON APR 08	0.008 ON AUG 01	6 780	1987
1988	18.8 AT 09:31 CST ON JUL 08 *	10.3 ON JUL 08 *	0.070B ON MAR 01	21 600	1988
1989	---	1.98B ON APR 14	0 B ON MAR 01	6 240	1989
1990	8.27 AT 23:34 CST ON APR 06	7.20 ON APR 07	0.008 ON SEP 21	8 900	1990
				9 260	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ENRIGHT AND STRONG DITCH NEAR EASTEND - STATION NO. 11AC005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	0.238	0.133	0.180	0.120	0.011	---	---	---	1909
1910	---	---	0	0.002	0.227	0.320	0.053	0.134	0.176	0.275	---	---	0.148	1910
1911	---	---	0	0.013	0.133	0.191	0.154	0.163	0.036	0	---	---	0.086	1911
1912	---	---	0	0	0	0.089	0.664	0.364	0.023	0	---	---	0.144	1912
1913	---	---	0	0	0.078	---	---	---	---	---	---	---	---	1913
1914	---	---	---	---	0.502	0.345	0.113	0	0	0	---	---	---	1914
1915	---	---	0	0.007	0.402	0.372	0.420	0.055	0.005	0	---	---	0.158	1915
1916	---	---	0	0	---	0.226	0.127	0.190	0	0	---	---	---	1916
1917	---	---	0	0	0.052	0.269	0.269	0.053	0	0	---	---	0.080	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
MEAN	---	---	0	0.002	0.107	0.146	0.138	0.081	0.026	0.020	---	---	0.056	MEAN

LOCATION - LAT 49 30 30 N LONG 108 50 24 W REGULATED

ENRIGHT AND STRONG DITCH NEAR EASTEND - STATION NO. 11AC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	0 ON OCT 18 *	---	1909
1910	---	0.504 ON JUN 01	0 ON MAR 01	3 140	1910
1911	---	0.595 ON JUN 12	0 ON MAR 01	1 830	1911
1912	---	0.702 ON JUL 04	0 ON MAR 01	3 040	1912
1913	---	---	0 ON MAR 01	---	1913
1914	---	---	0 ON JUL 19	---	1914
1915	---	0.765 ON JUL 21 *	0 ON MAR 01	3 340	1915
1916	---	---	0 ON MAR 01	---	1916
1917	---	0.269E ON MAY 26	0 ON MAR 01	1 700	1917
1918	---	0 ON MAR 01	0 ON MAR 01	0	1918
1919	---	0 ON MAR 01	0 ON MAR 01	0	1919
1920	---	0 ON MAR 01	0 ON MAR 01	0	1920
1921	---	0 ON MAR 01	0 ON MAR 01	0	1921
1922	---	0 ON MAR 01	0 ON MAR 01	0	1922
1923	---	0 ON MAR 01	0 ON MAR 01	0	1923
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 190	MEAN

ETOMAMI RIVER NEAR BERTWELL - STATION NO. 05LB002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0.137	34.9	49.1	7.25	1.93	0.134	0.172	0.518	---	---	11.7	1955
1956	---	---	0.028	2.49	30.5	8.60	4.02	0.326	0.782	0.556	---	---	5.93	1956
1957	---	---	0.170	27.7	18.5	2.77	0.249	0.720	0.477	0.066	---	---	6.29	1957
1958	---	---	0.155	1.88	1.23	0.779	0.568	0.110	0.083	0.377	---	---	0.645	1958
1959	---	---	0.422	4.30	2.70	2.72	5.43	0.264	2.73	4.30	---	---	2.85	1959
1960	---	---	0.872	24.6	18.2	9.61	1.50	0.316	0.324	0.332	---	---	6.91	1960
1961	---	---	0.187	1.76	1.53	0.270	0.001	0	0	0	---	---	0.466	1961
1962	---	---	0	13.5	3.90	0.267	0.093	0	0.272	0.179	---	---	2.25	1962
1963	---	---	0.011	7.74	0.790	1.13	0.802	0.113	0.382	0.512	---	---	1.41	1963
1964	---	---	0	9.26	26.4	0.722	0.247	0.287	2.70	0.758	---	---	5.05	1964
1965	---	---	0.057	7.14	17.1	40.2	10.3	1.74	1.14	1.75	---	---	9.85	1965
1966	---	---	0.131	23.5	14.7	13.5	6.63	2.09	0.909	2.68	---	---	7.97	1966
1967	---	---	0.297	4.16	30.4	4.29	0.292	0.036	0.023	0.235	---	---	5.00	1967
1968	---	---	1.94	4.35	0.908	1.54	0.684	1.19	0.824	0.180	---	---	1.44	1968
1969	---	---	0.227	19.6	3.13	0.359	0.201	0.062	0.020	1.18	---	---	3.06	1969
1970	---	---	0.073	9.81	26.0	7.23	10.3	1.10	0.273	1.05	---	---	7.00	1970
1971	---	---	0.179	28.4	4.90	1.88	0.530	0.218	0.080	0.452	---	---	4.52	1971
1972	---	---	0.189	31.8	31.2	1.39	0.305	0.057	0.148	0.693	---	---	8.19	1972
1973	---	---	0.048	6.26	5.27	10.8	7.97	0.711	0.083	0.278	---	---	3.90	1973
1974	---	---	0.266	28.3	32.5	8.50	0.448	0.769	1.52	1.37	---	---	9.18	1974
1975	---	---	0.244	16.4	19.1	10.0	1.87	0.459	1.50	1.96	---	---	6.41	1975
1976	---	---	0.198	25.1	4.61	24.2	6.43	0.460	0.091	0.221	---	---	7.56	1976
1977	---	---	0.227	4.53	0.968	0.258	0.083	0.275	0.672	0.741	---	---	0.959	1977
1978	---	---	0.131	15.3	8.38	0.947	0.659	0.229	0.257	0.725	---	---	3.30	1978
1979	---	---	0.084	22.0	30.0	14.2	0.941	0.072	0.051	0.145	---	---	8.39	1979
1980	---	---	0.164	4.42	0.377	0.173	0.208	0.463	0.157	0.258	---	---	0.768	1980
1981	---	---	1.75	2.93	0.709	0.846	0.555	0.335	0.020	2.35	---	---	1.19	1981
1982	---	---	0.093	5.20	2.20	3.86	0.313	0.077	0.005	0.114	---	---	1.46	1982
1983	---	---	0.087	8.32	8.59	3.40	10.8	1.20	0.137	0.257	---	---	4.11	1983
1984	---	---	0.230	11.6	13.8	21.2	1.93	0.243	0.164	0.414	---	---	6.14	1984
1985	---	---	0.275	32.6	11.5	2.91	1.02	0.822	0.537	0.871	---	---	6.24	1985
1986	---	---	0.372	24.5	7.74	1.43	1.33	1.28	0.166	0.485	---	---	4.61	1986
1987	---	---	0.309	8.38	1.22	0.760	1.16	0.430	0.120	0.337	---	---	1.57	1987
1988	---	---	0.289	20.1	11.3	0.797	0.096	0.144	0.101	0.252	---	---	4.10	1988
1989	---	---	0.041	1.74	0.543	0.691	0.668	0.140	0.284	0.318	---	---	0.548	1989
1990	---	---	0.542	9.98	4.28	1.26	3.00	0.092	0.011	0.043	---	---	2.38	1990
MEAN	---	---	0.290	14.0	12.3	5.85	2.32	0.471	0.478	0.749	---	---	4.54	MEAN

LOCATION - LAT 52 35 32 N LONG 102 33 54 W DRAINAGE AREA, 2 050 km² NATURAL FLOW

REMARKS - STATION MOVED 1.0 KM UPSTREAM ON JUN 03 1982

ETOMAMI RIVER NEAR BERTWELL - STATION NO. 05LB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	107 ON MAY 07	0.057E ON MAR 01	248 000	1955
1956	---	44.2 ON MAY 15	0.028E ON MAR 01	126 000	1956
1957	---	90.9 ON APR 24	0 ON JUL 01 *	133 000	1957
1958	---	3.31 ON APR 21	0 ON AUG 18	13 700	1958
1959	---	22.3 ON JUN 29	0.028B ON MAR 01	60 400	1959
1960	---	47.3 ON APR 25	0.057B ON OCT 30	146 000	1960
1961	---	6.09B ON APR 20	0 ON JUL 04	9 860	1961
1962	---	56.6 B ON APR 24	0 B ON MAR 01	47 600	1962
1963	---	23.8 B ON APR 15	0 B ON MAR 01	30 000	1963
1964	---	59.5 ON MAY 15	0 B ON MAR 01	107 000	1964
1965	---	148 ON JUN 04 *	0.057E ON MAR 01	208 000	1965
1966	---	97.7 ON APR 15	0.127B ON MAR 01	169 000	1966
1967	---	73.6 B ON MAY 01	0.008 ON AUG 28	106 000	1967
1968	---	14.0 B ON MAR 30	0.085B ON MAR 19	10 600	1968
1969	---	56.6 B ON APR 12	0 ON SEP 09	64 800	1969
1970	62.3 AT 19:00 CST ON MAY 03	61.7 ON MAY 04	0.068B ON MAR 01	148 000	1970
1971	95.4 AT 20:06 CST ON APR 16	87.8 ON APR 17	0 ON SEP 01	95 600	1971
1972	147 AT 19:09 CST ON APR 26 *	140 ON APR 27	0 ON AUG 02	173 000	1972
1973	23.8 AT 00:00 CST ON JUL 05	22.7 ON JUL 05	0 B ON MAR 01	82 600	1973
1974	125 AT 21:00 CST ON APR 22	123 ON APR 22	0.173 ON AUG 10	194 000	1974
1975	---	57.8 ON APR 24	0.244B ON MAR 01	136 000	1975
1976	75.0 AT 19:20 CST ON JUN 25	73.3 ON JUN 25	0.003 ON SEP 14	160 000	1976
1977	---	12.7 B ON APR 12	0.027E ON AUG 29	20 300	1977
1978	---	62.3 B ON APR 20	0.004 ON SEP 12	69 900	1978
1979	---	110 A ON APR 23	0.005 ON SEP 28	178 000	1979
1980	---	17.0 ON APR 14	0 ON SEP 17	16 200	1980
1981	---	6.80B ON MAR 29	0.001 ON SEP 02	25 100	1981
1982	---	17.9 B ON APR 17	0 B ON MAR 01	31 000	1982
1983	54.2 AT 03:00 CST ON APR 24	53.1 ON APR 24	0.051 ON SEP 04	86 900	1983
1984	78.3 AT 16:10 CST ON JUN 09	75.4 ON JUN 09	0.013 ON SEP 04	130 000	1984
1985	71.1 AT 10:01 CST ON APR 23	69.9 ON APR 23	0.074 ON AUG 26	132 000	1985
1986	73.0 AT 15:10 CST ON APR 09	63.1 ON APR 09	0.025 ON SEP 11	97 500	1986
1987	39.8 AT 15:11 CST ON APR 07	33.8 ON APR 07	0.015 ON SEP 22	33 200	1987
1988	82.9 AT 20:38 CST ON APR 13	79.2 ON APR 13	0.015 ON SEP 24	86 800	1988
1989	7.61B AT 13:41 CST ON APR 14	5.35B ON APR 14	0.001 ON AUG 21	11 600	1989
1990	47.5 B AT 09:57 CST ON APR 04	41.5 B ON APR 04	0.001 ON SEP 15	50 500	1990
				96 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ETOMAMI RIVER NEAR RESERVE - STATION NO. 05LB001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0.113	20.6	31.0	4.93	0.633	0.230	0.352	0.359	---	---	7.26	1955
1956	---	---	0.028	1.70	23.6	7.99	1.90	0.363	0.305	0.489	---	---	4.56	1956
1957	---	---	0.144	6.10	16.3	1.81	0.199	0.575	0.387	0.037	---	---	3.19	1957
1958	---	---	0.104	1.21	0.729	0.374	0.307	0.051	0.034	0.102	---	---	0.362	1958
1959	---	---	0.283	2.32	2.32	1.80	2.61	0.267	2.03	3.25	---	---	1.86	1959
1960	---	---	0.667	10.4	13.5	6.37	1.23	0.243	0.067	0.220	---	---	4.07	1960
1961	---	---	0.183	0.576	1.24	0.117	0.004	0.003	0.003	0.005	---	---	0.266	1961
1962	---	---	0.014	3.07	2.22	0.207	0.107	0.053	0.198	0.083	---	---	0.740	1962
1963	---	---	0.011	5.34	0.789	0.785	0.274	0.110	0.288	0.392	---	---	0.985	1963
1964	---	---	0	3.32	7.08	0.348	0.213	0.190	0.699	0.465	---	---	1.54	1964
1965	---	---	0.057	5.26	13.6	29.5	6.42	0.504	1.49	1.21	---	---	7.21	1965
MEAN	---	---	0.146	5.45	10.2	4.93	1.26	0.235	0.532	0.601	---	---	2.91	MEAN

LOCATION - LAT 52 28 50 N LONG 102 38 42 W
DRAINAGE AREA, 1 100 km^2

ETOMAMI RIVER NEAR RESERVE - STATION NO. 05LB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	70.8 ON MAY 08 *	0.028 ON JUL 30	154 000	1955
1956	---	41.6 ON MAY 17	0 ON AUG 06 *	96 400	1956
1957	---	46.7 ON MAY 01	0 E ON JUL 01	67 600	1957
1958	---	2.80B ON APR 22	0 E ON AUG 19	7 670	1958
1959	---	12.7 ON JUN 28	0.028 ON AUG 29	39 400	1959
1960	---	25.8 ON APR 21	0.008 ON SEP 21	86 100	1960
1961	---	2.41 ON MAY 14	0.003 ON JUL 08	5 640	1961
1962	---	15.6 B ON APR 24	0 ON OCT 27	15 700	1962
1963	---	14.3 B ON APR 16	0 B ON MAR 01	20 800	1963
1964	---	13.9 ON MAY 09	0 B ON MAR 01	32 600	1964
1965	---	68.0 E ON JUN 04	0.031 ON SEP 07	153 000	1965
				61 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EYEHILL CREEK NEAR MACKLIN - STATION NO. 05GA007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	0.003	---	---	---	1966
1967	---	---	0	0.156	0.520	0.156	0.037	0.001	0	0	---	---	0.109	1967
1968	---	---	0.302	0.050	0.008	0.004	0.001	0.001	0.083	0.127	---	---	0.072	1968
1969	---	---	0	2.38	0.163	0.057	0	0	0	0.004	---	---	0.319	1969
1970	---	---	0	0.641	0.047	0.066	0.021	0.268	0.028	0	---	---	0.133	1970
1971	---	---	0	1.77	0.036	0.084	0.006	0.340	0.019	0.030	---	---	0.281	1971
1972	---	---	0.133	0.196	0.025	0.014	0	0	0.203	0.044	---	---	0.076	1972
1973	---	---	0	0.002	0.001	0.190	0.420	0.001	0.060	0.010	---	---	0.086	1973
1974	---	---	0	1.51	0.112	0.117	0	0.041	0.008	0	---	---	0.220	1974
1975	---	---	0	0.002	0.726	0.286	0.051	0.026	0.005	0.001	---	---	0.138	1975
1976	---	---	0	0.495	0.091	0.140	0.076	0	0.026	0.040	---	---	0.107	1976
1977	---	---	0	0.003	0.002	0.002	0.006	0.004	0	0	---	---	0.002	1977
1978	---	---	0	0.002	0.001	0	0.018	0	0.001	0	---	---	0.003	1978
1979	---	---	0	0.506	0.237	0.001	0	0	0	0	---	---	0.092	1979
1980	---	---	0.003	0.313	0.138	0	0	0	0	0	---	---	0.056	1980
1981	---	---	0.016	0.372	0.112	0.001	0.011	0.449	0.152	0.001	---	---	0.139	1981
1982	---	---	0	0.010	0.212	0.116	0.001	0	0	0.003	---	---	0.043	1982
1983	---	---	0.036	0.240	0.002	0	0.241	0.020	0.002	0	---	---	0.067	1983
1984	---	---	0.258	0.339	0.022	0.049	0	0	0	0	---	---	0.083	1984
1985	---	---	0.543	1.36	0.264	0.080	0.003	0	0	0	---	---	0.279	1985
1986	---	---	0.126	0.052	0.063	0.044	0.071	0.020	0	0.011	---	---	0.049	1986
1987	---	---	0.004	0.314	0.005	0	0	0	0	0	---	---	0.040	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0.032	0.073	0	0	0	0	0	---	---	0.013	1990
MEAN	---	---	0.059	0.448	0.119	0.059	0.040	0.049	0.024	0.011	---	---	0.100	MEAN

LOCATION - LAT 52 19 08 N DRAINAGE AREA, 10 100 km²
LONG 109 55 41 W REGULATED

EYEHILL CREEK NEAR MACKLIN - STATION NO. 05GA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0E ON OCT 29 *	---	1966
1967	---	1.38 ON APR 30	0B ON MAR 01	2 300	1967
1968	---	0.889B ON MAR 01	0 ON JUN 24	1 530	1968
1969	13.8 B AT 11:30 CST ON APR 12 *	13.6 ON APR 13 *	0B ON MAR 01	6 750	1969
1970	3.14 B AT 08:40 CST ON APR 11	2.68 B ON APR 12	0B ON MAR 01	2 810	1970
1971	12.4 AT 07:53 CST ON APR 18	10.3 ON APR 18	0B ON MAR 01	5 960	1971
1972	1.64 AT 09:08 CST ON APR 06	0.864 ON APR 06	0B ON MAR 01	1 610	1972
1973	1.07 AT 19:30 CST ON JUL 10	1.04 ON JUL 10	0B ON MAR 01	1 810	1973
1974	9.68 AT 18:04 CST ON APR 21	8.27 ON APR 21	0B ON MAR 01	4 650	1974
1975	1.12 AT 23:03 CST ON MAY 04	1.11 ON MAY 05	0B ON MAR 01	2 910	1975
1976	1.03 AT 13:39 CST ON APR 07	0.991 ON APR 07	0B ON MAR 01	2 270	1976
1977	---	0.122 ON JUL 01	0B ON MAR 01	45.5	1977
1978	0.102 ON JUL 09	0.102 ON JUL 09	0B ON MAR 01	60.3	1978
1979	0.838B AT 19:19 CST ON APR 15	0.824B ON APR 11	0B ON MAR 01	1 950	1979
1980	0.688 AT 10:06 CST ON APR 18	0.683 ON APR 18	0B ON MAR 01	1 190	1980
1981	1.43 AT 13:00 CST ON APR 17	1.19 ON APR 18	0B ON MAR 01	2 940	1981
1982	---	0.469E ON MAY 22	0B ON MAR 01	907	1982
1983	2.03 AT 23:27 CST ON APR 06	1.49 ON APR 07	0B ON MAR 01	1 420	1983
1984	1.93 AT 19:06 CST ON APR 01	1.82 ON APR 01	0B ON MAR 01	1 760	1984
1985	6.33 B AT 02:28 CST ON APR 04	4.72 B ON APR 03	0B ON MAR 01	5 900	1985
1986	0.538B AT 11:27 CST ON MAR 17	0.489B ON MAR 17	0B ON MAR 01	1 030	1986
1987	1.42 AT 13:46 CST ON APR 08	1.16 ON APR 09	0B ON MAR 01	839	1987
1988	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1988
1989	0.008 AT 07:37 CST ON OCT 31	0.004 ON OCT 31	0 ON MAR 01	0.432	1989
1990	0.151 AT 03:36 CST ON MAY 13	0.144 ON MAY 12	0B ON MAR 01	279	1990
				2 120	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EYEHILL CREEK NEAR YONKER - STATION NO. 05GA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	1.02	0.518	0.312	0.180	0.249	0.304	---	---	---	1920
1921	---	---	---	3.66	1.16	0.414	0.277	0.164	0.233	0.194	---	---	---	1921
1922	---	---	---	0.930	0.645	0.257	0.155	0.130	0.123	0.142	---	---	---	1922
1923	---	---	---	0.270	0.369	0.319	0.301	0.365	0.172	0.196	---	---	---	1923
1924	---	---	---	0.122	1.15	0.868	0.258	0.136	0.127	0.141	---	---	---	1924
1925	---	---	0.058	1.31	0.355	0.329	0.144	0.094	0.100	---	---	---	---	1925
1926	---	---	0.072	0.704	0.328	0.267	0.085	0.104	0.109	0.108	---	---	0.220	1926
1927	---	---	0	1.01	0.643	0.601	0.507	0.257	0.257	0.609	---	---	0.484	1927
1928	---	---	0.186	1.79	0.869	0.489	0.318	0.128	0.115	0.145	---	---	0.502	1928
1929	---	---	0	0.321	0.613	0.242	0.133	0.068	0.092	0.151	---	---	0.202	1929
1930	---	---	---	0.445	0.260	0.424	0.753	0.154	0.146	0.233	---	---	---	1930
1936	---	---	0.038	1.10	0.430	0.159	---	---	---	---	---	---	---	1936
MEAN	---	---	0.059	1.06	0.654	0.407	0.302	0.162	0.157	0.222	---	---	0.352	MEAN

LOCATION - LAT 52 38 02 N DRAINAGE AREA, 10 700 km²
LONG 109 39 34 W NATURAL FLOW

EYEHILL CREEK NEAR YONKER - STATION NO. 05GA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0.147 ON OCT 25	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	16.7 ON APR 17 *	0 B ON APR 01 *	---	1922
1923	---	1.93 B ON APR 09	0 B ON APR 01	---	1923
1924	---	0.708B ON APR 22	0 B ON APR 01	---	1924
1925	---	1.36 ON MAY 04	0 B ON APR 01	---	1925
1926	---	2.94 ON APR 13	0 ON MAR 01	---	1926
1927	---	3.03 B ON APR 18	0 B ON APR 01	4 670	1927
1928	---	2.32 ON APR 28	0 B ON MAR 01	10 300	1928
1929	---	3.24 ON APR 25	0 B ON MAR 01	10 600	1929
1930	---	1.38 B ON MAY 01	0 B ON MAR 01	4 280	1930
1936	---	1.24 ON JUL 02	---	---	1936
		4.70 B ON APR 20	---	---	MEAN
				7 460	

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FAHLMAN CREEK NEAR DAVIN - STATION NO. 05JF008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	0.113	0.004	---	---	---	---	---	---	---	---	1951
1952	---	---	0.065	0.076	0	0	0	0	0.003	0	---	---	0.018	1952
1953	---	---	0.137	0.018	0	0.028	0.009	0.004	0	0	0	---	0.025	1953
1954	---	0.003	0.002	0.101	0.001	0.006	0.001	0	0.001	0	0	---	0.014	1954
1955	0	0	0.066	0.139	0.008	0	0.248	0	0	0	0	0	0.058	1955
1956	0	0	0	0.374	0.011	0.011	0	0	0	0	0	0	0.049	1956
1957	0	0	0.160	0.014	0	0	0.001	0	0	0	0	0	0.022	1957
1958	0	0	0.095	0.007	0	0	0	0	0	0	0	0	0.013	1958
1959	---	---	0.002	0	0	0.028	0	0	0	0	---	---	0.004	1959
1960	---	---	0.015	0.167	0	0	0	0.004	0	0	---	---	0.023	1960
1961	---	---	0.011	0.004	0.001	0	0	0	0	0	---	---	0.002	1961
1962	---	---	0.002	0.131	0	0	0	0	0	0	---	---	0.016	1962
1963	---	---	0.020	0	0	0	0	0	0	0	---	---	0.003	1963
1964	---	---	0.021	0.017	0	0	0	0	0	0	---	---	0.005	1964
1965	---	---	0	0.118	0	0	0	0	0	0	---	---	0.014	1965
1966	---	---	0.154	0.021	0	0	0	0	0	0	---	---	0.022	1966
1967	---	---	0	0.174	0	0	0	0	0	0	---	---	0.021	1967
1968	---	---	0.031	0	0	0	0	0	0	0	---	---	0.004	1968
1969	---	---	0	0.254	0	0	0	0	0	0	---	---	0.031	1969
1970	---	---	0.007	0.165	0.027	0	0	0	0	0	---	---	0.024	1970
1971	---	---	0	0.369	0	0	0	0	0	0	---	---	0.045	1971
1972	---	---	0.143	0.030	0.001	0	0	0	0	0	---	---	0.022	1972
1973	---	---	0.002	0.001	0.001	0.064	0.157	0	0	0	---	---	0.028	1973
1974	---	---	0	0.495	0.036	0.002	0.003	0.001	0	0.001	---	---	0.066	1974
1975	---	---	0.001	0.285	0.003	0.001	0	0	0	0	---	---	0.036	1975
1976	---	---	0.035	0.294	0.001	0.006	0	0	0	0	---	---	0.041	1976
1977	---	---	0.003	0.001	0.001	0.001	0.004	0	0	0	---	---	0.001	1977
1978	---	---	0.064	0.022	0.006	0.001	0	0	0	0	---	---	0.012	1978
1979	---	---	0	0.270	0.006	0.001	0	0	0	0.001	---	---	0.034	1979
1980	---	---	0.021	0.040	0.002	0	0	0.001	0.001	0.001	---	---	0.008	1980
1981	---	---	0.001	0.001	0	0.001	0	0	0	0.001	---	---	0.001	1981
1982	---	---	0	0.201	0.001	0	0.001	0	0	0.001	---	---	0.025	1982
1983	---	---	0	0.102	0.002	0	0.179	0.001	0	0.001	---	---	0.036	1983
1984	---	---	0.013	0.004	0	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.189	0.075	0.001	0	0	0	0.001	0	---	---	0.033	1985
1986	---	---	0.030	0.001	0.003	0	0	0	0	0.001	---	---	0.004	1986
1987	---	---	0.057	0.004	0.014	0.001	0	0	0	0	---	---	0.010	1987
1988	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.002	0.014	0.001	0	0	0.004	0	0	---	---	0.003	1989
1990	---	---	0.165	0.008	0.001	0	0.006	0	0	0	---	---	0.023	1990
MEAN	0	0.001	0.039	0.103	0.003	0.004	0.016	0	0	0	0	0	0.020	MEAN

LOCATION - LAT 50 22 10 N LONG 104 11 30 W DRAINAGE AREA, 15.3 km^2 REGULATED

FAHLMAN CREEK NEAR DAVIN - STATION NO. 05JF008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	0.685 ON APR 24	0 ON APR 03 *	---	1951
1952	---	1.30 ON MAR 31	0 ON MAR 01	382	1952
1953	---	1.39 ON MAR 29	0 ON MAR 01	523	1953
1954	---	0.886 ON APR 06	0 ON MAR 01	291	1954
1955	27.9 AT 03:00 CST ON JUL 12	6.80 ON JUL 12 *	0 ON MAR 01	1 220	1955
1956	---	2.81 ON APR 13	0 ON MAR 01	1 030	1956
1957	---	1.93 ON MAR 21	0 ON MAR 01	467	1957
1958	---	0.985 ON MAR 26	0 ON MAR 01	272	1958
1959	---	0.521 ON JUN 26	0 ON MAR 01	78.9	1959
1960	3.17 AT 19:00 CST ON APR 03	1.57 ON APR 03	0 ON MAR 01	487	1960
1961	0.326 AT 18:00 CST ON MAR 22	0.096 ON MAR 22	0 ON MAR 01	43.5	1961
1962	---	0.852 ON APR 05	0 ON MAR 01	345	1962
1963	---	0.286 ON MAR 21	0 ON MAR 01	53.3	1963
1964	1.13 ON MAR 15	0.289 ON APR 01	0 ON MAR 01	101	1964
1965	2.27 ON APR 08	1.51 ON APR 08	0 ON MAR 01	307	1965
1966	---	1.82 ON MAR 28	0 ON MAR 01	467	1966
1967	---	1.13 ON APR 12	0 ON MAR 01	451	1967
1968	---	0.348 ON MAR 08	0 ON MAR 01	83.5	1968
1969	---	2.22 ON APR 10	0 ON MAR 01	658	1969
1970	2.56 ON APR 06	1.90 ON APR 06	0 ON MAR 01	517	1970
1971	---	2.65 ON APR 09	0B ON MAR 01	957	1971
1972	2.23 AT 01:46 CST ON MAR 23	1.12 ON MAR 22	0B ON MAR 01	464	1972
1973	31.7 AT 22:00 CST ON JUN 30 *	3.62 ON JUL 01	0B ON MAR 01	599	1973
1974	6.40 AT 18:45 CST ON APR 18	3.68 ON APR 18	0B ON MAR 01	1 390	1974
1975	2.27 AT 18:07 CST ON APR 15	1.27 B ON APR 15	0B ON MAR 01	755	1975
1976	2.36 AT 18:45 CST ON APR 04	1.46 ON APR 05	0B ON MAR 01	872	1976
1977	0.292 AT 01:43 CST ON JUL 11	0.054B ON MAR 20	0B ON MAR 01	28.7	1977
1978	---	0.501B ON MAR 27	0B ON MAR 01	248	1978
1979	2.53 AT 16:44 CST ON APR 20	2.09 ON APR 20	0B ON MAR 01	722	1979
1980	---	0.230B ON APR 01	0B ON MAR 01	171	1980
1981	0.012B AT 18:00 CST ON MAR 10	0.005B ON MAR 19	0B ON MAR 01	10.9	1981
1982	---	2.13 A ON APR 15	0B ON MAR 01	525	1982
1983	4.26 AT 23:04 CST ON JUL 20	1.67 ON JUL 21	0B ON MAR 01	757	1983
1984	---	0.085B ON MAR 26	0B ON MAR 01	45.4	1984
1985	1.54 B AT 17:30 CST ON MAR 21	0.948B ON MAR 21	0B ON MAR 01	707	1985
1986	---	0.150B ON MAR 03	0 ON MAY 21	92.8	1986
1987	4.60 AT 13:42 CST ON MAY 28	0.374 ON MAY 28	0B ON MAR 15	203	1987
1988	0.007 AT 19:51 CST ON APR 01	0.002B ON MAR 31	0B ON MAR 01	3.02	1988
1989	0.519 AT 22:16 CST ON AUG 21	0.148 ON APR 01	0B ON MAR 01	55.1	1989
1990	1.19 AT 19:40 CST ON JUL 26	0.631B ON MAR 09	0B ON MAR 01	484	1990
				432	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FAIRWELL CREEK AT DRURY'S RANCH - STATION NO. 11AC003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	1.25	0.207	0.130	0.099	---	---	---	1909
1910	---	---	---	---	0.370	0.140	0.078	0.075	0.045	0.027	---	---	---	1910
1911	---	---	---	3.66	---	0.308	0.239	0.105	0.083	0.244	---	---	---	1911
1912	---	---	---	---	---	---	---	0.139	0.121	0.110	---	---	---	1912
1913	---	---	---	3.77	0.408	0.205	0.161	0.109	0.083	0.030	---	---	---	1913
1914	---	---	0.753	2.90	0.402	0.188	0.073	0.034	0.035	0.030	---	---	0.546	1914
1915	---	---	---	1.85	0.417	0.874	0.450	0.252	0.128	0.096	---	---	---	1915
1916	---	---	---	2.77	1.40	1.36	0.721	0.351	0.164	0.459	---	---	---	1916
1917	---	---	---	12.3	5.64	0.505	0.145	---	---	---	---	---	---	1917
1918	---	---	---	4.71	0.627	0.373	0.156	0.077	0.024	0.010	---	---	---	1918
1919	---	---	---	1.93	0.470	0.131	0.066	0.020	0.007	0.003	---	---	---	1919
1920	---	---	0.028	3.54	2.64	0.160	0.106	0.063	0.023	0.007	---	---	0.815	1920
1921	---	---	0.560	2.23	0.364	0.100	0.052	0.032	0.024	0.009	---	---	0.417	1921
1922	---	---	---	5.86	2.44	0.131	0.094	0.025	0.010	0.002	---	---	---	1922
1923	---	---	0.042	3.11	0.534	0.705	0.284	0.107	0.048	0.027	---	---	0.599	1923
1924	---	---	0.026	1.72	0.381	0.284	0.156	0.073	0.014	0.009	---	---	0.328	1924
1925	---	---	0.059	8.25	0.356	0.292	0.122	0.070	0.023	0.023	---	---	1.13	1925
1926	---	---	4.17	1.77	0.178	0.087	0.056	0.031	0.007	0.008	---	---	0.790	1926
1927	---	---	0.018	8.60	2.95	0.817	0.421	0.125	0.094	0.088	---	---	1.62	1927
1928	---	---	3.61	1.31	0.387	0.511	0.367	0.117	0.070	0.049	---	---	0.805	1928
1929	---	---	0.089	3.39	0.892	0.494	0.199	0.082	0.023	0.010	---	---	0.639	1929
1930	---	---	0.846	5.01	0.373	0.220	0.220	0.078	0.033	0.010	---	---	0.838	1930
1931	---	---	0.179	0.412	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.865	3.95	1.12	0.394	0.258	0.103	0.057	0.064	---	---	0.775	MEAN

LOCATION - LAT 49 30 25 N DRAINAGE AREA, 342 km^2
LONG 109 13 31 W NATURAL FLOW

FAIRWELL CREEK AT DRURY'S RANCH - STATION NO. 11AC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	14.5 ON APR 10	---	---	1911
1912	---	---	---	---	1912
1913	---	10.0 ON APR 07	---	---	1913
1914	---	8.72 ON APR 12	0.014E ON MAR 01	11 500	1914
1915	---	8.33 ON APR 03	---	---	1915
1916	---	---	---	---	1916
1917	---	41.6 ON APR 21 *	---	---	1917
1918	---	16.7 ON MAR 27	---	---	1918
1919	---	6.68 ON APR 02	---	---	1919
1920	---	12.5 ON APR 28	0.001 ON SEP 30	17 300	1920
1921	---	13.8 ON APR 14	0.005 ON OCT 19	8 820	1921
1922	---	21.8 ON APR 21	0 ON SEP 21 *	---	1922
1923	---	12.2 ON APR 16	0.025 ON OCT 05	12 700	1923
1924	---	16.3 ON APR 07	0.006 ON SEP 29	6 950	1924
1925	---	27.4 B ON APR 05	0.020 ON SEP 09	23 900	1925
1926	---	20.7 ON MAR 18	0.006 ON SEP 03	16 700	1926
1927	---	23.1 ON APR 24	0 B ON MAR 01	34 300	1927
1928	---	28.3 ON MAR 21	0.045 ON OCT 08	17 000	1928
1929	---	14.8 ON APR 21	0.006B ON MAR 01	13 500	1929
1930	---	25.6 ON APR 04	0.006B ON OCT 17	17 700	1930
1931	---	---	---	---	1931
				16 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FAUQUIERS DITCH NEAR MAPLE CREEK - STATION NO. 05HA018

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.004	0.003	---	---	---	---	---	---	---	---	1915
1916	---	---	---	0.013	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1921	---	---	---	---	---	---	---	---	---	---	---	---	---	1921
MEAN	---	---	---	0.009	0.003	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 50 46 N
LONG 109 22 10 W
REGULATED

FAUQUIERS DITCH NEAR MAPLE CREEK - STATION NO. 05HA018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON APR 01 *	---	1915
1916	---	---	0 ON APR 01	---	1916
1917	---	---	0 ON JUL 19	---	1917
1918	---	---	0R ON JUL 17	---	1918
1919	---	---	0R ON JUN 09	---	1919
1921	---	---	0R ON MAR 08	---	1921
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

FEARON AND MOORHEAD BRIDGE CREEK DITCH NEAR SKULL CREEK - STATION NO. 05HA014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.004	0.010	0.001	---	---	---	---	---	---	---	1912
MEAN	---	---	---	0.004	0.010	0.001	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 52 04 N
LONG 108 55 13 W
REGULATED

FEARON AND MOORHEAD BRIDGE CREEK DITCH NEAR SKULL CREEK - STATION NO. 05HA014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON APR 01 *	---	1912
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FEARON AND MOORHEAD MAIN DITCH NEAR SKULL CREEK - STATION NO. 05HA024

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	0	0.042	0.083	0.004	---	---	---	---	---	---	---	1912
MEAN	---	---	0	0.042	0.083	0.004	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 52 04 N
LONG 108 55 31 W REGULATED

FEARON AND MOORHEAD MAIN DITCH NEAR SKULL CREEK - STATION NO. 05HA024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON AUG 22 *	---	1911
1912	---	---	0 ON MAR 01	---	1912
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FEARON AND MOORHEAD SKULL CREEK DITCH - STATION NO. 05HA023

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.038	0.079	0.005	---	---	---	---	---	---	---	1912
MEAN	---	---	---	0.038	0.079	0.005	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 51 29 N
LONG 108 56 31 W REGULATED

FEARON AND MOORHEAD SKULL CREEK DITCH - STATION NO. 05HA023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON APR 01 *	---	1912
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FIR RIVER NEAR HUDSON BAY - STATION NO. 05LB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0.082	6.13	5.86	0.501	---	---	---	---	---	---	---	1959
1960	---	---	---	5.06	9.24	2.76	0.005	---	---	---	---	---	---	1960
1961	---	---	---	0	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	2.97	8.52	0.749	---	---	---	---	---	---	---	1962
1963	---	---	---	2.27	0.941	---	---	---	---	---	---	---	---	1963
1964	---	---	---	1.49	3.38	0.411	0.440	0.798	1.85	2.75	---	---	---	1964
1965	---	---	0	2.79	6.22	8.55	6.50	2.35	2.10	1.91	---	---	---	1965
1968	---	---	0.759	1.67	4.11	5.00	8.61	1.69	2.50	1.53	---	---	---	1968
1969	---	---	0.227	3.41	1.45	0.804	1.48	0.655	0.262	2.99	---	---	---	1969
1970	---	---	0.109	1.74	7.27	3.04	7.57	1.02	0.811	1.70	---	---	---	1970
MEAN	---	---	0.235	2.75	5.22	2.98	4.10	1.30	1.50	2.18	---	---	---	MEAN

LOCATION - LAT 52 51 25 N DRAINAGE AREA, 500 km^2
LONG 102 25 12 W NATURAL FLOW

FIR RIVER NEAR HUDSON BAY - STATION NO. 05LB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	10.1 ON MAY 04	0 ON MAR 01 *	---	1959
1960	---	17.0 ON MAY 14	0 ON APR 01	---	1960
1961	---	---	0 ON APR 01	---	1961
1962	---	21.1 ON MAY 04	0 ON APR 01	---	1962
1963	---	5.66 ON APR 17	0 B ON APR 01	---	1963
1964	---	6.74 ON MAY 09	0 B ON APR 01	---	1964
1965	---	23.4 ON JUN 04	0 B ON MAR 01	---	1965
1968	---	40.5 ON JUL 03 *	0.108B ON MAR 22	---	1968
1969	---	8.92 ON APR 15	0.122 ON AUG 28	---	1969
1970	---	17.8 E ON JUL 05	0.096B ON MAR 01	---	1970
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FIR RIVER NEAR HUDSON BAY - STATION NO. 05LB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	7.72	0.992	0.755	1.49	---	---	---	1970
1971	---	---	0.028	5.43	2.35	1.17	1.59	0.926	0.861	5.15	---	---	---	1971
1972	---	---	0.185	5.86	11.9	3.35	1.14	0.446	0.742	1.25	---	---	---	1972
1973	---	---	0.169	2.55	3.72	9.67	5.98	0.855	0.814	1.00	---	---	---	1973
1974	---	---	0.217	6.44	10.2	4.73	1.64	1.58	2.61	3.03	---	---	---	1974
1975	---	---	0.295	3.59	6.70	4.13	1.73	1.27	1.51	1.07	0.347	0.138	---	1975
1976	0.092	0.466	0.466	3.10	1.15	5.43	3.09	1.16	0.497	0.333	0.174	0.084	1.33	1976
1977	0.054	0.034	0.050	2.29	4.59	0.872	0.593	2.21	2.46	1.63	1.51	0.279	1.22	1977
1978	0.146	0.111	0.087	2.87	4.80	2.37	1.10	5.45	3.29	5.40	2.31	0.364	2.39	1978
1979	0.276	0.117	0.148	3.53	14.3	6.37	1.42	0.359	0.423	0.900	1.01	0.378	2.46	1979
1980	0.148	0.110	0.117	2.35	1.03	0.481	2.14	1.67	2.09	2.77	1.05	0.606	1.22	1980
1981	0.174	0.108	0.428	1.33	1.98	0.739	1.41	1.11	0.548	3.45	2.57	0.369	1.19	1981
1982	0.051	0.001	0.015	1.63	3.79	4.36	1.17	0.890	0.867	1.28	0.209	0.100	1.20	1982
1983	0.105	0.079	0.132	2.48	4.65	7.73	6.48	0.915	4.97	2.19	1.50	0.438	2.64	1983
1984	0.195	0.228	0.292	8.42	11.1	5.06	0.798	0.146	0.344	2.05	1.23	0.594	2.54	1984
1985	0.223	0.137	0.256	6.06	5.59	3.95	2.23	1.73	0.834	1.51	0.623	0.157	1.95	1985
1986	0.113	0.096	0.107	4.96	5.76	1.75	1.50	1.56	0.737	1.60	0.569	0.221	1.59	1986
1987	0.264	0.326	0.419	5.95	1.97	2.92	4.21	1.17	0.958	2.47	0.945	0.331	1.83	1987
1988	0.220	0.160	0.175	3.92	6.12	0.740	0.781	0.888	1.53	1.06	0.505	0.412	1.38	1988
1989	0.102	0.071	0.039	1.64	3.91	1.72	2.28	1.01	2.43	1.09	0.793	0.269	1.28	1989
1990	0.147	0.148	0.143	3.37	5.42	1.71	2.57	0.335	0.115	0.296	0.292	0.071	1.22	1990
MEAN	0.154	0.146	0.192	3.89	5.45	3.46	2.46	1.27	1.40	1.95	0.977	0.313	1.70	MEAN

LOCATION - LAT 52 49 50 N DRAINAGE AREA, 508 km²
LONG 102 23 46 W REGULATED SINCE 1900

FIR RIVER NEAR HUDSON BAY - STATION NO. 05LB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	15.0 B AT 20:46 CST ON APR 16	12.5 ON APR 23	---	---	1971
1972	38.5 AT 12:47 CST ON MAY 01	37.1 ON MAY 01	---	---	1972
1973	19.3 AT 16:10 CST ON JUN 05	18.3 ON JUL 06	---	---	1973
1974	31.4 AT 02:34 CST ON APR 21	22.9 ON APR 21	---	---	1974
1975	15.3 B AT 05:34 CST ON APR 22	13.3 ON APR 29	---	---	1975
1976	13.5 AT 00:53 CST ON JUN 27	13.3 ON JUN 26	0 B ON JAN 21 *	42 100	1976
1977	---	5.13 ON APR 20	0.031B ON JAN 21	38 400	1977
1978	14.8 AT 17:30 CST ON AUG 22	14.7 ON AUG 22	0.079B ON MAR 05	75 300	1978
1979	38.8 AT 09:10 CST ON MAY 19 *	37.3 ON MAY 19 *	0.025B ON FEB 01	77 400	1979
1980	6.32 AT 19:51 CST ON APR 21	6.17 ON APR 22	0.017B ON MAR 10	38 400	1980
1981	6.61 AT 20:04 CST ON OCT 19	6.57 ON OCT 19	0.007B ON FEB 23	37 600	1981
1982	---	11.9 E ON MAY 31	0 E ON JAN 22	37 900	1982
1983	17.2 B AT 14:41 CST ON APR 22	14.8 ON JUL 04	0.059B ON FEB 13	83 400	1983
1984	29.5 AT 08:08 CST ON MAY 25	27.5 ON MAY 21	0.029 ON SEP 02	80 300	1984
1985	14.0 B AT 05:05 CST ON APR 11	12.0 ON APR 24	0.097B ON FEB 14	61 400	1985
1986	15.0 B AT 01:09 CST ON APR 07	12.6 B ON APR 06	0.010B ON FEB 27	50 300	1986
1987	24.4 AT 01:12 CST ON APR 08	16.3 B ON APR 07	0.175B ON JAN 02	57 700	1987
1988	---	13.4 B ON APR 13	0.048B ON DEC 30	43 600	1988
1989	7.41 AT 05:05 CST ON MAY 28	6.62 ON MAY 28	0.012B ON MAR 01	40 500	1989
1990	12.2 B AT 15:53 CST ON APR 04	9.79B ON APR 04	0.012B ON MAR 19	38 600	1990
				53 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FLOWING WELL WEST INFLOW NEAR FLOWING WELL - STATION NO. 05JC007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.231	0.502	---	---	---	---	---	---	---	---	---	1967
1970	---	---	1.20	---	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0.020	0.403	---	---	---	---	---	---	---	---	---	1971
1974	---	---	---	0.598	0.006	---	---	---	---	---	---	---	---	1974
1975	---	---	0.038	0.701	0.034	0	0	0	0	0	---	---	0.095	1975
1976	---	---	1.35	0.062	0	0	0	0	0	0	---	---	0.178	1976
1977	---	---	0	0	0.053	0	0	0	0	0	---	---	0.007	1977
1978	---	---	0.922	0.051	0.017	0.002	0	0	0	0	---	---	0.125	1978
1979	---	---	0.283	0.110	0.004	0	0	0	0	0	---	---	0.050	1979
1980	---	---	0.430	0.070	0	0	0	0	0	0	---	---	0.063	1980
1981	---	---	0	0	0	0	0.001	0	0	0	---	---	0	1981
1982	---	0	0.209R	0.869R	0.057	0.022	0.060	0.010	0	0	---	---	0.152R	1982
1983	---	---	0.597	0.158	0.091	0	0.503R	0	0	0	---	---	0.170R	1983
1984	---	0.012	0.039	0	0	0.015	0	0	0	0	---	---	0.007	1984
1985	---	0.004	0.348	0.033	0	0	0	0	0	0	---	---	0.048	1985
1986	---	0.386	0.075	0	0.001	0.176	0.002	0	0	0	---	---	0.031	1986
1987	---	0	0.062	0.031	0	0	0	0	0	0	---	---	0.012	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.614	0.048	0	0	0	0	0	0	---	---	0.084	1989
1990	---	---	0.047	0	0	0.030	0.053	0.004	0	0	---	---	0.017	1990
MEAN	---	0.080	0.340R	0.191R	0.015	0.015	0.039R	0.001	0	0	---	---	0.065R	MEAN

LOCATION - LAT 50 15 04 N LONG 106 56 46 W DRAINAGE AREA, 91.9 km² NATURAL FLOW R - REVISED SINCE JAN 01 1989

FLOWING WELL WEST INFLOW NEAR FLOWING WELL - STATION NO. 05JC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	---	---	1967
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	---	---	---	---	1974
1975	---	3.40 B ON APR 20	0B ON MAR 01 *	2 010	1975
1976	---	8.50 B ON MAR 18 *	0B ON MAR 01	3 770	1976
1977	---	0.425 ON MAY 21	0B ON MAR 01	141	1977
1978	---	5.89 B ON MAR 22	0B ON MAR 01	2 650	1978
1979	---	1.95 B ON MAR 17	0B ON MAR 01	1 050	1979
1980	6.51 AT 21:15 CST ON MAR 28	3.31 ON MAR 29	0B ON MAR 01	1 330	1980
1981	---	0.044 ON JUL 13	0 ON MAR 01	3.97	1981
1982	9.58 RB AT 17:54 CST ON APR 13 *	2.87 RB ON APR 12	0B ON MAR 01	3 210	1982
1983	9.36 R AT 06:37 CST ON JUL 09	5.08 ON MAR 31	0 ON MAY 05	3 600	1983
1984	1.34 B AT 08:47 CST ON MAR 20	0.613B ON MAR 20	0B ON MAR 02	146	1984
1985	4.00 B AT 17:23 CST ON MAR 01	1.24 B ON MAR 01	0 ON APR 16	1 020	1985
1986	8.38 AT 13:57 CST ON JUN 17	3.02 A ON JUN 17	0 ON MAR 25	664	1986
1987	0.900B AT 22:40 CST ON MAR 26	0.559B ON MAR 31	0B ON MAR 01	246	1987
1988	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1988
1989	6.94 B AT 21:44 CST ON MAR 10	2.72 B ON MAR 26	0B ON MAR 01	1 770	1989
1990	3.52 AT 21:28 CST ON JUN 10	0.467 ON JUN 11	0 ON MAR 23	357	1990
				1 370	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989

FOND DU LAC RIVER AT OUTLET OF BLACK LAKE - STATION NO. 07LE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	246	227	207	176	315	398	365	337	333	398	384	320	309	1963
1964	260	223	198	188	357	433	351	373	395	419	390	318	326	1964
1965	265	229	205	203	311	336	364	326	272	253	239	228	270	1965
1966	210	187	176	186	276	506	536	460	393	319	272	249	315	1966
1967	233	214	195	189	240	471	465	433	367	322	292	266	309	1967
1968	230	203	195	207	291	415	413	370	355	538	495	380	341	1968
1969	297	241	239	267	358	332	304	266	226	208	187	174	259	1969
1970	162	148	148	156	240	287	252	232	272	304	309	272	232	1970
1971	240	207	195	208	296	275	264	254	248	250	255	249	245	1971
1972	221	190	172	176	302	413	376	330	301	304	287	255	278	1972
1973	226	208	192	177	201	315	351	335	281	245	219	201	246	1973
1974	182	165	159	173	269	303	311	319	328	316	288	263	257	1974
1975	253	222	209	208	381	412	405	363	322	288	269	240	298	1975
1976	222	207	197	233	412	460	391	348	339	370	377	332	324	1976
1977	303	287	283	287	466	598	630	607	584	510	432	355	446	1977
1978	311	273	244	248	368	450	419	397	382	393	356	305	346	1978
1979	271	238	220	225	287	435	403	324	279	276	276	249	291	1979
1980	228	203	191	216	298	292	285	279	268	272	262	228	252	1980
1981	198	187	182	199	319	391	340	298	250	217	199	192	248	1981
1982	163	133	125	128	274	407	376	332	331	322	269	234	259	1982
1983	217	200	195	211	277	349	381	369	358	359	340	289	296	1983
1984	249	222	211	240	393	418	379	344	330	313	278	255	303	1984
1985	215	192	188	203	406	473	370	305	315	357	334	288	305	1985
1986	250	234	221	236	401	500	545	494	404	428	351	303	380	1986
1987	279	258	248	256	407	435	380	289	245	223	214	203	287	1987
1988	185	161	158	169	269	438	458	423	383	350	317	300	301	1988
1989	270	245	225	217	371	526	567	472	407	391	356	326	365	1989
1990	291	262	242	247	307	348	377	354	308	286	273	269	298	1990
MEAN	238	213	201	208	325	411	396	358	334	330	304	269	300	MEAN

LOCATION - LAT 59 08 50 N LONG 105 32 20 W DRAINAGE AREA, 49 200 km² NATURAL FLOW

FOND DU LAC RIVER AT OUTLET OF BLACK LAKE - STATION NO. 07LE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	411 ON OCT 28	161 ON APR 03	9 750 000	1963
1964	---	459 ON JUN 06	178 ON APR 06	10 300 000	1964
1965	377 AT 16:30 CST ON JUL 11	371 ON JUL 12	193 ON APR 11	8 510 000	1965
1966	575 AT 05:00 CST ON JUL 05	566 ON JUL 05	172 ON APR 03	9 930 000	1966
1967	513A AT 22:30 CST ON JUN 14	507A ON JUN 16	185 ON APR 02	9 760 000	1967
1968	---	564 ON OCT 24	189 ON MAR 10	10 800 000	1968
1969	377 AT 01:00 CST ON MAY 26	368 ON MAY 17	168 ON DEC 27	8 150 000	1969
1970	320 AT 17:00 CST ON NOV 05	320 ON NOV 05	144 ON FEB 24	7 320 000	1970
1971	309 AT 15:43 CST ON MAY 14	306 ON MAY 13	190 ON MAR 22	7 730 000	1971
1972	430 AT 11:49 CST ON JUN 13	430 ON JUN 12	167 ON MAR 23	8 780 000	1972
1973	382 AT 20:13 CST ON JUL 10	377 ON JUL 26	129E ON MAY 05	7 770 000	1973
1974	340 AT 23:52 CST ON SEP 24	334 ON SEP 25	158 ON MAR 15	8 100 000	1974
1975	433 AT 11:28 CST ON JUN 27	428 ON MAY 24	196 ON APR 14	9 410 000	1975
1976	479 AT 22:24 CST ON JUN 02	476 ON JUN 02	193 ON APR 01	10 300 000	1976
1977	646 AT 20:26 CST ON JUL 03 *	637 ON JUN 29 *	280E ON APR 17	14 100 000	1977
1978	464 AT 19:42 CST ON JUN 15	459 ON JUN 13	237E ON MAR 30	10 900 000	1978
1979	464 AT 21:13 CST ON JUN 19	461 ON JUN 19	218 ON MAR 16	9 160 000	1979
1980	310 AT 10:19 CST ON MAY 24	306 ON MAY 24	187 ON MAR 23	7 970 000	1980
1981	409 AT 05:09 CST ON JUN 07	406 ON JUN 05	178 ON MAR 11	7 820 000	1981
1982	423 AT 19:13 CST ON JUN 21	421 ON JUN 21	1.2 ON MAR 22 *	8 160 000	1982
1983	410 AT 08:03 CST ON JUL 03	402 ON JUL 03	191 ON MAR 01	9 340 000	1983
1984	429 AT 11:25 CST ON JUN 06	428 ON JUN 06	200 ON APR 02	9 580 000	1984
1985	526 AT 00:20 CST ON JUN 02	520 ON MAY 30	184 ON MAR 04	9 610 000	1985
1986	---	627 ON JUN 09	218 ON MAR 17	12 000 000	1986
1987	457 AT 21:09 CST ON JUN 12	445 ON MAY 27	196 ON DEC 30	9 040 000	1987
1988	482 AT 21:21 CST ON JUL 21	467 ON JUN 24	165 ON FEB 23	9 530 000	1988
1989	599 AT 05:31 CST ON JUL 21	585 ON JUL 14	211 ON APR 09	11 500 000	1989
1990	391 AT 03:51 CST ON JUL 27	384 ON JUL 18	239 ON MAR 12	9 380 000	1990
				9 450 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FOND DU LAC RIVER AT STONY RAPIDS - STATION NO. 07LE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	---	---	---	---	---	---	238	216	211	199	---	1946
1947	193	187	184	183	288	461	422	355	370	455	514	400	335	1947
1948	367	336	277	259	360	428	430	347	362	441	445	361	368	1948
1949	277	235	219	213	330	520	537	497	440	408	387	342	368	1949
1950	264	217	198	199	337	483	422	369	323	302	296	266	307	1950
1951	231	191	179	227	323	451	364	292	294	249	206	174	273	1951
1952	147	142	172	207	279	276	240	255	232	247	280	247	226	1952
1953	180	145	162	173	226	266	297	215	208	252	288	257	220	1953
1954	209	178	179	182	246	402	347	330	270	235	217	207	251	1954
1955	176	156	169	193	272	531	415	302	247	209	209	202	257	1955
1956	183	164	164	181	213	328	303	320	263	202	195	171	224	1956
1957	145	132	138	174	195	255	320	279	237	232	223	193	211	1957
1958	164	155	155	188	332	476	385	348	385	399	360	275	303	1958
1959	216	194	175	187	306	569	528	400	399	408	359	315	339	1959
1960	268	240	214	217	354	650	760	553	476	437	389	319	407	1960
1961	269	259	245	238	386	681	505	445	429	391	340	285	373	1961
1962	250	212	195	219	398	531	500	391	345	318	298	264	327	1962
1963	240	217	185	177	329	406	375	351	346	---	---	---	---	1963
MEAN	222	198	189	202	307	454	418	356	326	319	307	263	299	MEAN

LOCATION - LAT 59 16 00 N DRAINAGE AREA, 50 000 km²
LONG 105 48 00 W NATURAL FLOW

FOND DU LAC RIVER AT STONY RAPIDS - STATION NO. 07LE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	---	---	---	1946
1947	---	558 ON NOV 07	181E ON APR 02	10 600 000	1947
1948	---	479E ON OCT 25	251B ON APR 11	11 600 000	1948
1949	---	555 ON JUL 08	204 ON APR 11	11 600 000	1949
1950	---	498 ON JUN 18	178B ON APR 04	9 670 000	1950
1951	---	481 ON MAY 31	160B ON DEC 31	8 600 000	1951
1952	---	297 ON MAY 27	136B ON FEB 22	7 150 000	1952
1953	---	337 ON NOV 20	137B ON FEB 18	6 930 000	1953
1954	---	416 ON JUN 11	171B ON MAR 17	7 900 000	1954
1955	---	555 ON JUN 16	153B ON FEB 17	8 110 000	1955
1956	---	340E ON AUG 28	154B ON DEC 31	7 090 000	1956
1957	---	326 ON JUL 03	115B ON FEB 28 *	6 650 000	1957
1958	---	498 ON JUN 08	140B ON MAR 14	9 540 000	1958
1959	---	612 ON JUN 21	167B ON MAR 11	10 700 000	1959
1960	---	821 ON JUL 04 *	202A ON APR 15	12 900 000	1960
1961	---	748 ON JUN 08	238B ON APR 07	11 800 000	1961
1962	---	552 ON JUN 16	193B ON APR 02	10 300 000	1962
1963	---	---	---	---	1963
				9 450 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FOSTER RIVER ABOVE CHURCHILL RIVER - STATION NO. 06CE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	14.6	11.4	29.0	20.4	13.5	---	1972
1973	10.6	9.68	9.15	10.6	27.5	36.1	49.4	29.7	25.7	20.5	22.9	16.0	22.4	1973
1974	14.1	11.9	10.7	26.7	70.4	41.1	55.9	39.0	29.3	25.1	22.6	18.9	30.6	1974
1975	16.0	13.1	11.0	10.5	43.3	25.5	38.3	32.2	24.9	19.0	14.9	11.3	21.8	1975
1976	10.1	9.06	8.14	9.04	10.1	13.2	166	70.6	37.9	29.2	23.7	16.7	33.9	1976
1977	13.7	11.9	10.7	20.9	39.4	55.3	33.2	22.7	16.5	20.5	16.2	12.1	22.8	1977
1978	10.6	9.40	8.22	8.34	66.7	66.6	41.2	29.3	34.1	40.2	29.9	21.5	30.6	1978
1979	15.9	13.3	11.9	11.6	42.6	48.9	40.1	34.3	40.4	38.4	34.2	22.8	29.6	1979
1980	16.8	13.4	11.3	18.0	21.3	11.8	13.0	16.5	14.5	24.0	18.0	11.9	15.9	1980
1981	10.3	9.40	8.76	9.58	44.8	28.1	20.4	13.9	9.88	8.62	8.19	7.60	15.0	1981
1982	6.51	5.52	5.13	5.30	46.3	45.8	26.5	33.0	20.9	14.2	11.2	9.43	19.2	1982
1983	8.86	8.12	7.68	8.15	17.1	57.5	22.4	13.4	10.9	12.4	11.8	9.99	15.7	1983
1984	8.04	7.45	7.31	13.5	19.8	18.7	13.4	11.0	8.20	6.92	8.27	7.82	10.9	1984
1985	6.61	6.11	5.88	8.57	66.0	32.3	51.2	21.0	14.0	11.7	9.69	7.10	20.2	1985
1986	6.07	5.38	4.86	5.90	35.9	35.7	52.6	46.1	21.9	15.8	12.2	10.5	21.2	1986
1987	9.86	9.48	9.09	16.7	40.9	27.0	34.2	16.2	10.2	8.46	6.89	5.83	14.4	1987
1988	5.07	4.58	4.77	5.30	16.5	18.4	15.6	13.9	12.3	12.4	11.6	11.6	11.1	1988
1989	10.4	9.32	8.11	7.85	32.0	29.5	33.3	18.3	11.9	13.1	11.1	9.89	16.3	1989
1990	8.86	8.39	8.09	8.54	27.6	17.3	11.4	7.32	5.13	5.31	6.30	6.13	10.0	1990
MEAN	10.5	9.19	8.38	11.4	37.1	33.8	38.9	25.2	18.8	18.6	15.8	12.2	20.1	MEAN

LOCATION - LAT 55 49 30 N DRAINAGE AREA, 4 540 km²
LONG 105 45 20 W NATURAL FLOW

FOSTER RIVER ABOVE CHURCHILL RIVER - STATION NO. 06CE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	66.3 AT 19:17 CST ON JUL 12	65.4 ON JUL 12	8.81 ON MAR 28	707 000	1973
1974	142 AT 03:22 CST ON MAY 02	141 ON MAY 02	9.88 ON APR 05	966 000	1974
1975	52.4 AT 22:56 CST ON MAY 08	52.1 ON MAY 08	9.49 ON APR 19	686 000	1975
1976	303 AT 16:15 CST ON JUL 19 *	300 ON JUL 19 *	7.70 ON APR 03	1 070 000	1976
1977	77.0 AT 01:07 CST ON JUN 03	76.7 ON JUN 03	9.97 ON APR 03	719 000	1977
1978	96.3 AT 17:12 CST ON MAY 29	95.4 ON MAY 27	7.87 ON APR 07	966 000	1978
1979	---	72.8E ON MAY 27	10.9 ON APR 16	934 000	1979
1980	37.5 AT 21:30 CST ON APR 28	37.2 ON APR 29	10.5 ON JUN 23	502 000	1980
1981	63.9 AT 04:19 CST ON MAY 14	63.6 ON MAY 14	7.31A ON DEC 31	474 000	1981
1982	69.3 AT 21:42 CST ON MAY 10	68.7 ON MAY 11	4.89A ON APR 04	607 000	1982
1983	90.1 AT 06:30 CST ON JUN 11	89.7 ON JUN 11	7.31 ON APR 10	495 000	1983
1984	25.8 AT 21:09 CST ON MAY 30	25.6 ON MAY 29	6.49 ON OCT 15	344 000	1984
1985	106 AT 14:21 CST ON MAY 12	104 A ON MAY 12	5.75A ON MAR 21	636 000	1985
1986	75.8 AT 15:06 CST ON JUL 23	75.3 ON JUL 23	4.62 ON MAR 24	670 000	1986
1987	55.0 AT 20:27 CST ON MAY 04	54.4 ON MAY 04	5.53 ON DEC 31	455 000	1987
1988	22.1 AT 23:00 CST ON MAY 17	22.0 ON MAY 17	4.50 ON FEB 24 *	350 000	1988
1989	---	47.0E ON MAY 22	7.44 ON APR 10	514 000	1989
1990	37.4 AT 18:55 CST ON MAY 15	36.8 ON MAY 15	4.74 ON SEP 27	317 000	1990
				634 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER ABOVE EASTEND RESERVOIR - STATION NO. 11AC018

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	0.621	0.480	0.509	0.622	---	---	---	1912
1913	---	---	---	---	---	---	0.667	0.388	0.377	0.488	---	---	---	1913
1914	---	---	1.42	15.6	1.56	1.02	0.782	0.202	0.133	0.381	0.623	---	1.42	1914
1915	---	---	0.978	9.68	1.39	2.06	1.69	0.752	0.614	0.671	---	---	2.21	1915
1916	---	---	13.1	5.70	3.58	4.48	2.51	1.29	1.04	2.01	---	---	4.22	1916
1917	---	---	0.623	32.9	22.5	3.37	0.999	0.473	0.526	0.522	---	---	7.69	1917
1937	---	---	0.151	3.96	0.713	0.225	0.179	0.051	0.096	0.203	---	---	0.688	1937
1938	---	---	0.656	4.11	1.54	1.02	0.459	0.134	0.130	0.216	---	---	1.02	1938
1939	---	---	5.48	3.29	1.55	2.10	0.702	0.254	0.185	0.298	---	---	1.73	1939
1940	---	---	0.512	10.9	2.13	1.27	0.478	0.211	0.151	0.288	---	---	1.97	1940
1941	---	---	8.04	2.73	0.843	0.528	0.492	0.222	0.240	0.310	---	---	1.68	1941
1942	---	---	0.610	5.59	1.05	3.01	1.07	0.480	0.496	0.476	---	---	1.58	1942
1943	---	---	11.3	6.08	1.14	1.27	0.609	0.955	1.14	0.498	---	---	2.88	1943
1944	---	---	0.819	10.1	0.987	0.676	0.953	1.64	0.438	0.425	---	---	1.99	1944
1945	---	---	6.48	1.45	1.06	0.843	0.571	0.933	0.365	0.312	---	---	1.51	1945
1946	---	---	6.82	2.55	0.974	0.411	0.692	0.138	0.206	0.338	---	---	1.52	1946
1947	---	---	0.417	9.66	1.44	0.773	0.374	0.543	0.215	0.275	---	---	1.69	1947
1948	---	---	0.379	7.08	2.33	0.806	0.631	0.158	0.211	0.208	---	---	1.45	1948
1949	---	---	0.425	2.58	1.11	1.41	1.01	0.240	0.203	0.313	---	---	0.904	1949
1950	---	---	0.273	7.43	1.48	0.579	0.318	0.373	0.223	0.358	---	---	1.36	1950
1951	---	---	0.314	14.9	6.70	1.05	0.654	0.644	0.554	0.434	---	---	3.13	1951
1952	---	---	0.616	39.8	3.02	1.23	0.750	0.440	0.461	0.445	---	---	5.75	1952
1953	---	---	0.749	5.88	4.92	3.74	0.828	0.316	0.209	0.319	---	---	2.11	1953
1954	---	---	0.590	6.50	2.42	2.36	0.702	1.18	1.11	1.35	---	---	2.01	1954
1955	---	---	0.685	24.6	9.71	1.95	2.64	0.949	0.564	0.651	---	---	5.17	1955
1956	---	---	0.729	6.85	2.71	1.65	0.815	0.563	0.412	0.505	---	---	1.76	1956
1957	---	---	0.780	8.22	1.34	1.07	0.617	1.19	0.271	0.422	---	---	1.72	1957
1958	---	---	0.803	12.0	0.895	0.810	1.13	0.837	0.140	0.310	---	---	2.09	1958
1959	---	---	1.72	4.85	1.18	1.40	0.709	0.645	0.238	0.445	---	---	1.39	1959
1960	---	---	10.4	2.86	1.53	1.63	1.01	0.556	0.116	0.261	---	---	2.30	1960
1961	---	---	1.55	1.29	2.00	0.959	0.718	0.170	0.204	0.230	0.294	---	0.853	1961
1962	---	---	2.74	3.85	0.671	0.626	0.447	0.177	0.176	0.312	---	---	1.04	1962
1963	---	---	4.73	2.42	0.687	0.636	0.553	0.199	0.155	0.203	---	---	1.20	1963
1964	---	---	0.540	4.61	2.23	0.811	0.409	0.179	0.274	0.283	---	---	1.16	1964
1965	---	---	0.322	21.3	3.85	1.68	1.36	0.573	0.710	0.564	---	---	3.74	1965
1966	---	---	7.21	4.64	1.76	1.69	0.754	0.413	0.279	0.394	---	---	2.14	1966
MEAN	---	---	2.71	8.93	2.69	1.43	0.815	0.524	0.376	0.461	0.294	---	2.21	MEAN

LOCATION - LAT 49 29 25 N, LONG 109 00 00 W DRAINAGE AREA, 1 500 km² REGULATED INTERNATIONAL GAUGING STATION

FRENCHMAN RIVER ABOVE EASTEND RESERVOIR - STATION NO. 11AC018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	23.8 ON APR 12	66.5 ON APR 08 20.9 ON APR 13	0.042 ON AUG 06	30 000	1914
1915	85.2 B ON APR 04	75.6 B ON APR 04 25.3 ON MAR 27	0.283B ON MAR 22 0.736 ON SEP 23	46 700 89 200	1915 1916
1916	---				
1917	118 ON APR 21	114 ON APR 22	0.357 ON AUG 23	163 000	1917
1937	24.9 B ON APR 11	24.9 B ON APR 11	0.011 ON AUG 26 *	14 600	1937
1938	19.1 AT 09:00 MST ON APR 12	18.6 ON APR 12	0.051 ON SEP 04	21 700	1938
1939	28.6 ON MAR 25	26.0 ON MAR 25	0.147 ON AUG 27	36 600	1939
1940	61.7 AT 13:00 MST ON APR 22	58.6 ON APR 22	0.068 ON SEP 04	41 600	1940
1941	43.0 B AT 17:00 MST ON MAR 27	41.3 B ON MAR 27	0.096 ON AUG 23	35 600	1941
1942	20.5 AT 06:00 MST ON JUN 30	17.8 B ON APR 13	0.198B ON MAR 01	33 400	1942
1943	---	102 ON MAR 29	0.085 ON AUG 11	61 000	1943
1944	75.9 AT 17:00 MST ON APR 15	60.6 ON APR 05	0.227B ON MAR 01	42 100	1944
1945	42.5 B AT 15:30 MST ON MAR 23	37.9 B ON MAR 23	0.133 ON AUG 29	31 900	1945
1946	35.4 AT 11:30 MST ON MAR 28	32.8 ON MAR 28	0.057 ON AUG 06	32 200	1946
1947	36.8 AT 12:30 MST ON APR 11	32.8 ON APR 11	0.028B ON MAR 05	35 800	1947
1948	29.7 AT 01:00 MST ON APR 19	24.0 ON APR 19	0.065 ON AUG 27	30 600	1948
1949	12.9 B AT 12:00 MST ON APR 09	6.12B ON APR 09	0.023 ON AUG 16	19 100	1949
1950	67.7 B AT 10:30 MST ON APR 17	45.6 B ON APR 18	0.110 ON SEP 07	28 800	1950
1951	88.6 AT 12:00 MST ON APR 28	79.6 ON APR 28	0.142B ON MAR 01	66 200	1951
1952	357 A AT 05:00 MST ON APR 16 *	269 ON APR 15 *	0.283B ON MAR 22	122 000	1952
1953	26.6 AT 07:30 MST ON APR 24	24.8 ON APR 24	0.136 ON SEP 16	44 600	1953
1954	51.0 AT 05:45 MST ON APR 14	32.3 ON APR 14	0.357 ON JUL 28	42 600	1954
1955	64.2 AT 15:30 MST ON APR 10	53.0 ON APR 20	0.368B ON MAR 01	110 000	1955
1956	35.7 AT 07:00 MST ON APR 15	32.3 ON APR 15	0.345 ON SEP 19	37 300	1956
1957	24.6 AT 05:00 MST ON APR 18	23.2 ON APR 18	0.136 ON AUG 25	36 400	1957
1958	79.6 AT 23:00 MST ON APR 04	68.0 B ON APR 04	0.054 ON AUG 17	44 300	1958
1959	30.6 B AT 19:00 MST ON APR 02	17.4 B ON APR 02	0.159 ON SEP 07	29 400	1959
1960	58.3 AT 16:00 MST ON MAR 27	47.3 B ON MAR 27	0.079 ON SEP 07	48 700	1960
1961	5.92B AT 07:30 MST ON MAR 26	4.59 ON MAY 05	0.017 ON AUG 19	18 100	1961
1962	17.8 B AT 03:00 MST ON APR 06	13.6 B ON APR 06	0.110 ON AUG 19	22 100	1962
1963	30.3 B AT 21:00 MST ON MAR 28	28.9 B ON MAR 28	0.116 ON SEP 08	25 400	1963
1964	18.3 B AT 07:30 MST ON APR 03	14.7 B ON APR 03	0.116 ON AUG 19	24 500	1964
1965	81.6 AT 15:00 MST ON APR 25	68.5 ON APR 25	0.278B ON MAR 26	79 200	1965
1966	74.2 AT 21:00 MST ON MAR 30	70.5 ON MAR 30	0.238 ON SEP 06	45 400	1966
				46 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT 50-MILE - STATION NO. 11AC023

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	11.0	1.34	0.662	0.096	0.009	0.140	0.411	---	---	---	1914
1915	---	---	---	11.7	1.63	2.66	1.82	0.775	0.807	0.880	---	---	---	1915
1916	---	---	---	11.6	4.22	5.77	7.21	2.07	0.995	2.01	---	---	---	1916
1917	---	---	---	40.5	25.4	3.86	1.17	0.430	0.588	0.658	---	---	---	1917
1918	---	---	---	21.8	4.48	1.72	0.677	0.479	0.242	0.544	---	---	---	1918
1919	---	---	0.198	5.49	1.76	0.508	0.056	0.018	0.159	0.346	---	---	1.06	1919
1920	---	---	2.22	13.7	9.44	2.11	1.19	0.294	0.223	0.348	---	---	3.67	1920
1921	---	---	---	---	2.72	0.819	0.500	0.137	0.275	0.402	---	---	---	1921
1922	---	---	0.074	22.7	10.2	1.70	1.53	0.726	0.385	0.393	---	---	4.67	1922
1923	---	---	0.550	6.94	1.99	3.25	0.973	0.580	0.218	0.331	---	---	1.83	1923
1924	---	---	0.164	6.05	1.74	1.36	0.641	0.495	0.136	0.390	---	---	1.36	1924
1925	---	---	2.39	17.9	2.83	1.83	0.746	0.247	0.300	0.666	---	---	3.32	1925
1926	---	---	10.7	5.39	1.19	0.614	0.397	0.021	0.145	0.311	---	---	2.35	1926
1927	---	---	0.986	28.8	14.9	6.94	3.07	1.33	0.795	0.856	---	---	7.15	1927
1928	---	---	15.0	9.55	3.42	2.46	3.02	0.978	0.700	0.774	---	---	4.49	1928
1929	---	---	1.13	8.17	3.66	2.28	0.844	0.142	0.168	0.405	---	---	2.08	1929
1930	---	1.68	4.33	11.4	2.47	1.09	0.783	0.237	0.294	0.582	---	---	2.63	1930
1931	---	---	1.17	1.69	0.771	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0.001	---	---	---	1935
1936	---	---	0.041	10.8	1.89	0.509	0.071	0	0	0	---	---	1.64	1936
1937	---	---	0.057	3.32	0.344	0.091	0	0	0	0	---	---	0.468	1937
1938	---	---	0.825	4.04	1.62	1.00	1.28	0.024	0	0.074	---	---	1.10	1938
1939	---	---	10.6	3.02	1.72	3.08	0.766	0.102	0	0.070	---	---	2.42	1939
1940	---	---	0.384	12.8	2.98	2.09	0.504	0.119	0.007	0.178	---	---	2.35	1940
1941	---	---	8.77	5.11	0.731	0.357	0.153	0.021	0.010	0.181	---	---	1.92	1941
1942	---	---	1.35	4.88	1.06	1.76	1.56	0.201	0.348	0.569	---	---	1.45	1942
1943	---	---	12.4	14.6	1.32	1.04	0.559	0.462	0.294	0.447	---	---	3.87	1943
1944	---	---	2.83	9.98	1.10	0.550	0.323	0.543	0.629	0.592	---	---	2.05	1944
1945	---	---	10.3	1.70	1.10	0.586	0.212	0.319	0.146	0.224	---	---	1.84	1945
1946	---	---	6.52	2.52	0.744	0.279	0.064	0	0	0.120	---	---	1.29	1946
1947	---	---	1.20	9.69	1.61	0.754	0.219	0.270	0.109	0.102	---	---	1.72	1947
1948	---	---	1.50	7.07	2.74	0.710	0.294	0.159	0	0	---	---	1.55	1948
1949	---	---	0.374	2.40	0.483	0.845	0.574	0.066	0	0.060	---	---	0.594	1949
1950	---	---	0	8.48	2.06	0.475	0.159	0.104	0.011	0	---	---	1.39	1950
1951	---	---	0.384	14.2	11.8	1.19	0.782	0.566	1.05	0.573	---	---	3.79	1951
1952	---	---	---	---	---	2.19	1.66	---	---	---	---	---	---	1952
1953	---	---	---	---	5.57	5.34	---	---	0.162	0.103	---	---	---	1953
1954	---	---	---	---	2.37	2.66	0.595	2.26	---	---	---	---	---	1954
1955	---	---	---	---	10.6	1.91	4.03	---	---	---	---	---	---	1955
1964	---	---	---	---	---	---	---	0.005	0.151	0.210	---	---	---	1964
1965	---	---	---	---	---	1.28	1.91	0.957	1.46	0.734	---	---	---	1965
1966	---	---	---	---	1.90	0.841	0.831	0.471	0.207	0.209	---	---	---	1966
1967	---	---	---	---	---	---	0.378	0.290	0.184	0.355	---	---	---	1967
1968	---	---	---	---	1.32	0.414	0.298	0.275	0.551	0.468	---	---	---	1968
1969	---	---	---	---	2.38	0.546	1.13	0.250	0.163	0.766	---	---	---	1969
1988	---	---	---	---	0.272	0.065	0.005	0	0	0	---	---	---	1988
1989	---	---	---	1.31	0.316	1.24	0.287	0.063	0.321	0.346	---	---	---	1989
1990	---	---	---	3.04	1.01	0.459	0.165	0.216	0.098	0.061	---	---	---	1990
MEAN	---	1.68	3.44	10.1	3.56	1.63	0.990	0.389	0.283	0.381	---	---	2.37	MEAN

LOCATION - LAT 49 24 37 N DRAINAGE AREA, 3 080 km²
LONG 108 00 45 W REGULATED SINCE 1937

FRENCHMAN RIVER AT 50-MILE - STATION NO. 11AC023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	26.9 B ON APR 06	0 ON AUG 18 *	---	1914
1915	86.4 B ON APR 07	64.8 B ON APR 07	---	---	1915
1916	121 ON JUL 03	82.1 ON JUL 03	---	---	1916
1917	112 ON APR 25	109 ON APR 25 *	---	---	1917
1918	---	---	---	---	1918
1919	---	17.0 B ON APR 07	0 ON JUL 30	22 300	1919
1920	71.9 AT 07:00 MST ON APR 23	65.7 ON APR 23	0 B ON MAR 01	77 600	1920
1921	---	---	---	---	1921
1922	77.0 ON APR 26	70.8 ON APR 25	0 B ON MAR 01	98 900	1922
1923	37.9 AT 15:45 MST ON APR 10	27.0 ON APR 10	0.153B ON MAR 14	38 800	1923
1924	30.6 AT 11:45 MST ON APR 11	28.9 ON APR 11	0 B ON MAR 01	28 800	1924
1925	65.4 AT 13:45 MST ON APR 08	62.0 ON APR 08	0 B ON MAR 01	70 300	1925
1926	53.0 AT 18:00 MST ON MAR 21	49.0 ON MAR 21	0.001 ON AUG 11	49 800	1926
1927	85.8 AT 10:40 MST ON APR 30	83.8 ON APR 30	0 B ON MAR 01	151 000	1927
1928	92.9 B AT 08:00 MST ON MAR 23	70.8 B ON MAR 23	0.504B ON MAR 01	95 000	1928
1929	24.5 AT 16:00 MST ON APR 24	24.3 ON APR 24	0.025 ON SEP 05	44 100	1929
1930	53.5 AT 18:30 MST ON APR 07	48.1 ON APR 07	0.082 ON SEP 10	55 700	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	30.6 ON APR 17	29.4 ON APR 18	0 ON SEP 01	---	1936
1937	25.8 ON APR 14	24.6 ON APR 14	0 B ON MAR 01	34 800	1937
1938	31.7 A AT 08:00 MST ON APR 14	24.7 A ON APR 14	0 B ON MAR 01	9 910	1938
1939	59.7 B AT 08:00 MST ON MAR 23	54.9 A ON MAR 24	0 B ON MAR 01	23 300	1939
1940	51.5 AT 14:00 MST ON APR 25	49.8 ON APR 25	0.006 ON SEP 06	51 200	1940
1941	43.9 AT 09:00 MST ON MAR 31	41.1 ON MAR 31	0 ON AUG 17	49 700	1941
1942	16.1 AT 12:30 MST ON APR 16	15.7 ON APR 16	0.119 ON AUG 06	40 600	1942
1943	85.2 AT 01:00 MST ON APR 04	80.1 ON APR 03	0.119 ON OCT 01	30 800	1943
1944	55.5 AT 21:40 MST ON APR 08	53.8 ON APR 08	0.161 ON JUL 28	81 900	1944
1945	38.2 AT 07:15 MST ON MAR 26	36.2 ON MAR 26	0 E ON AUG 03	43 400	1945
1946	27.4 AT 01:00 MST ON MAR 31	25.6 ON MAR 30	0 ON AUG 02	38 900	1946
1947	30.9 AT 22:30 MST ON APR 13	29.2 ON APR 13	0.028B ON MAR 01	27 200	1947
1948	24.2 AT 16:00 MST ON APR 21	22.8 ON APR 21	0 ON SEP 02	36 400	1948
1949	6.65 AT 04:30 MST ON APR 12	5.92 ON APR 12	0 B ON MAR 01	32 700	1949
1950	46.4 A ON APR 20	45.9 A ON APR 20	0 B ON MAR 01	12 600	1950
1951	61.4 A AT 07:00 ON MAY 03	58.3 ON MAY 02	0.198A ON MAR 01	29 500	1951
1952	396 ON APR 17 *	---	---	80 300	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1964	---	---	0 ON AUG 06	---	1964
1965	9.15 AT 17:00 MST ON JUN 29	---	---	---	1965
1966	4.56 AT 23:00 MST ON MAY 08	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	5.27 AT 07:27 MST ON MAY 01	---	---	---	1969
1988	---	---	---	---	1988
1989	4.17 AT 06:52 CST ON JUN 17	3.61 ON JUN 17	0 E ON JUN 26 0 ON AUG 21	---	1989
1990	---	12.2 B ON APR 03	0 ON OCT 16	---	1990
				50 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT BUZZARD'S RANCH - STATION NO. 11AC027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	14.4	1.44	1.38	0.182	0.102	0.157	0.842	---	---	---	1914
1915	---	---	---	14.1	4.67	1.96	1.79	0.936	0.626	0.741	---	---	---	1915
MEAN	---	---	---	14.3	3.06	1.67	0.986	0.519	0.392	0.792	---	---	---	MEAN

LOCATION - LAT 49 06 00 N
LONG 107 24 00 W
DRAINAGE AREA, 5 180 km²
NATURAL FLOW

FRENCHMAN RIVER AT BUZZARD'S RANCH - STATION NO. 11AC027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	33.1B ON APR 07	0 ON AUG 09 *	---	1914
1915	---	44.7 ON APR 10 *	---	---	1915
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT DRURY'S RANCH - STATION NO. 11AC040

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	3.98	1.06	0.514	0.182	0.101	0.079	0.097	---	---	---	1918
1919	---	---	---	0.718	0.148	0.060	0.018	0.020	0.064	0.059	---	---	---	1919
1920	---	---	0.113	3.53	5.22	0.437	0.223	0.062	0.077	0.095	---	---	1.22	1920
1921	---	---	0.202	2.07	0.718	0.163	0.096	0.054	0.071	0.091	---	---	0.429	1921
1922	---	---	0.027	4.35	3.05	0.411	0.209	0.129	0.101	0.113	---	---	1.04	1922
1923	---	---	0.036	0.841	0.250	0.329	0.145	0.083	0.065	0.099	---	---	0.229	1923
1924	---	---	0.052	0.731	0.132	0.158	0.067	0.041	0.015	0.054	---	---	0.155	1924
1925	---	---	0.080	3.01	0.517	0.259	0.095	0.085	0.106	0.094	---	---	0.523	1925
1926	---	---	0.925	0.394	0.083	0.018	0.005	0.002	0.010	0.040	---	---	0.185	1926
1927	---	---	0.063	3.47	4.97	2.01	0.704	0.355	0.294	0.274	---	---	1.51	1927
1928	---	---	2.79	1.96	0.994	0.572	0.464	0.172	0.127	0.136	---	---	0.902	1928
MEAN	---	---	0.476	2.28	1.56	0.448	0.201	0.100	0.092	0.105	---	---	0.688	MEAN

LOCATION - LAT 49 29 52 N LONG 109 19 18 W DRAINAGE AREA, 565 km² NATURAL FLOW

FRENCHMAN RIVER AT DRURY'S RANCH - STATION NO. 11AC040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	---	14.8 ON APR 29	0.045 ON AUG 27	25 800	1920
1921	---	11.5 ON APR 14	0.00[illegible] ON SEP 01	9 080	1921
1922	---	33.7 ON APR 23 *	0 B ON MAR 01 *	22 100	1922
1923	---	3.20 ON APR 17	0.023B ON MAR 01	4 850	1923
1924	---	8.27B ON APR 07	0.003 ON AUG 29	3 270	1924
1925	---	10.6 B ON APR 05	0.028B ON MAR 01	11 100	1925
1926	---	3.31B ON MAR 18	0 ON JUL 17	3 920	1926
1927	---	16.3 ON APR 26	0.057B ON MAR 01	32 000	1927
1928	---	14.3 ON MAR 21	0.071B ON MAR 01	19 100	1928
				14 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT HIGHWAY NO. 37 - STATION NO. 11AC067

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	---	1.45	0.521	0.144	0.130	0.143	---	---	---	1963
1964	---	---	---	---	---	0.288	0.500	0.096	0.251	0.304	---	---	---	1964
1965	---	---	---	---	---	---	---	1.02	1.35	0.724	---	---	---	1965
1966	---	---	---	---	---	0.780	0.829	0.651	0.269	0.212	---	---	---	1966
1967	---	---	---	---	---	1.14	0.365	0.395	0.210	0.373	---	---	---	1967
1968	---	---	---	---	1.00	0.269	0.387	0.401	0.516	0.442	---	---	---	1968
1969	---	---	---	---	1.79	0.440	0.969	0.211	0.166	0.759	---	---	---	1969
MEAN	---	---	---	---	1.40	0.728	0.595	0.417	0.413	0.422	---	---	---	MEAN

LOCATION - LAT 49 20 05 N LONG 108 24 56 W DRAINAGE AREA, 2 350 km² REGULATED SINCE 1908

FRENCHMAN RIVER AT HIGHWAY NO. 37 - STATION NO. 11AC067

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	1.85 AT 08:00 MST ON JUL 03	---	---	---	1966
1967	---	---	---	---	1967
1968	2.34 AT 21:00 MST ON JUN 30	---	---	---	1968
1969	4.22E ON MAY 04 *	---	---	---	1969
				---	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT HUFF'S RANCH - STATION NO. 11AC010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0.209	0.056	0	0	0	---	---	---	1910
MEAN	---	---	---	---	---	0.209	0.056	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 21 47 N LONG 107 51 30 W NATURAL FLOW

FRENCHMAN RIVER AT HUFF'S RANCH - STATION NO. 11AC010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 25 *	---	1910
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AC041

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	44.8	28.2	4.49	1.36	0.511	0.749	0.784	0.957	---	---	1917
1918	---	---	---	24.1	4.67	1.96	0.951	0.661	0.329	0.650	0.655	---	---	1918
1919	---	---	0.329	9.85	2.15	0.904	0.146	0.100	0	0.155	---	---	1.68	1919
1920	---	---	6.86	14.0	12.2	2.40	1.24	0.328	0.157	0.240	---	---	4.68	1920
1921	---	---	5.22	9.56	3.09	1.76	2.07	0.154	0.237	0.372	---	---	2.79	1921
1922	---	---	---	31.6	15.1	2.97	2.02	0.826	0.300	0.302	---	---	---	1922
1923	---	---	0.602	8.56	3.06	25.1	4.96	1.10	0.227	0.369	---	---	5.43	1923
1924	---	---	0.223	7.72	2.28	2.49	0.656	0.538	0.080	1.39	---	---	1.90	1924
1925	---	---	17.8	34.6	3.69	3.70	0.954	0.248	0.420	0.688	---	---	7.69	1925
1926	---	---	17.4	5.18	1.41	0.804	0.482	0.018	0.261	0.319	---	---	3.24	1926
1927	---	---	2.97	41.3	29.8	13.5	3.28	1.16	0.835	1.01	---	---	11.5	1927
1928	---	---	22.4	13.9	4.00	3.51	3.58	1.21	0.795	0.713	---	---	6.26	1928
1929	---	---	1.22	6.84	4.40	2.43	0.801	0.110	0.010	0.299	---	---	2.00	1929
1930	---	---	11.7	18.4	2.81	0.955	0.727	0.152	0.303	0.444	---	---	4.42	1930
1931	---	---	0.852	1.91	0.828	0.559	1.19	0.055	0.001	0	---	---	0.672	1931
1932	---	---	4.86	7.74	1.74	4.57	0.523	0.627	0.181	0.166	---	---	2.53	1932
1933	---	---	5.51	5.49	2.53	0.852	0.416	0.495	0.053	0.166	---	---	1.94	1933
1934	---	---	2.74	5.06	0.817	0.718	0.122	0	0	0	---	---	1.17	1934
1935	---	---	2.70	10.5	2.14	0.883	1.81	0.274	0	0	---	---	2.27	1935
1936	---	---	0.068	13.7	2.78	0.590	0.027	0	0	0	---	---	2.36	1936
1937	---	---	0.008	1.15	0.072	0.011	1.16	0	0	0.001	---	---	0.299	1937
1938	---	---	2.86	4.42	0.960	1.52	4.21	0.008	0.046	0	---	---	1.75	1938
1939	---	---	18.4	5.00	7.35	16.5	1.64	0.362	0.040	0.024	---	---	6.15	1939
1940	---	---	0.042	20.4	5.08	5.40	0.624	0.182	0.011	0.535	---	---	3.97	1940
1941	---	---	9.80	9.43	0.770	0.806	0.501	0.205	0.162	0.162	---	---	2.72	1941
1942	---	---	4.84	4.69	0.856	4.49	4.09	0.330	0.195	0.295	---	---	2.47	1942
1943	---	---	24.3	25.4	2.23	2.46	1.11	0.124	0.031	0.150	---	---	6.95	1943
1944	---	---	2.75	12.4	1.27	0.549	0.359	0.387	0.281	1.35	---	---	2.39	1944
1945	---	---	6.57	1.70	1.06	0.620	0.475	0.241	0.019	0.005	---	---	1.34	1945
1946	---	---	4.99	3.50	0.588	0.357	0.355	0.017	0	0.206	---	---	1.25	1946
1947	---	---	2.59	10.3	1.56	0.412	0.282	0.246	0.371	0.695	---	---	2.04	1947
1948	---	---	1.48	6.25	2.32	0.542	0.436	0.708	0.062	0	---	---	1.46	1948
1949	---	---	0.672	1.03	0.454	0.207	0.661	0	0	0	---	---	0.378	1949
1950	---	0.019	0.059	23.3	2.58	1.20	0.212	0.487	0.017	0.395	---	---	3.48	1950
1951	---	---	0.155	19.8	16.1	1.28	1.29	0.966	1.87	0.737	---	---	5.24	1951
1952	---	---	0.744	150	4.80	1.84	5.53	1.41	1.53	0.834	---	---	20.5	1952
1953	---	---	1.26	2.03	10.7	11.4	1.49	0.317	0.022	0.074	---	---	3.40	1953
1954	---	---	0.573	20.8	2.58	4.66	1.20	2.82	0.649	2.10	---	---	4.37	1954
1955	---	---	1.19	39.6	16.5	3.05	17.0	1.22	0.685	0.695	---	---	9.94	1955
1956	---	---	2.65	7.18	2.64	1.78	0.714	0.500	0.323	0.177	---	---	1.98	1956
1957	---	---	2.32	7.25	1.66	0.965	0.154	0.040	0.037	0.052	---	---	1.55	1957
1958	---	---	2.00	20.6	1.08	0.694	0.209	0.094	0.039	0.003	---	---	3.04	1958
1959	---	---	8.19	3.64	1.14	1.64	0.607	0.306	0.001	0.042	---	---	1.95	1959
1960	---	---	15.8	8.94	2.30	0.889	0.259	0.218	0.006	0.110	---	---	3.56	1960
1961	---	---	2.97	0.538	0.448	0.299	0.023	0.033	0	0	---	---	0.543	1961
1962	---	---	2.19	4.00	1.22	1.12	8.73	0.475	0.087	0.358	---	---	2.28	1962
1963	---	---	5.30	4.46	0.911	3.00	1.29	0.618	0.160	0.019	---	---	1.97	1963
1964	---	---	0.319	1.29	2.10	0.708	0.506	0.006	0.106	0	---	---	0.628	1964
1965	---	---	0.073	14.4	13.5	3.20	1.70	0.633	0.266	2.20	---	---	4.49	1965
1966	---	---	10.3	9.67	2.43	0.921	0.613	0.552	0.457	0.076	---	---	3.14	1966
1967	---	---	1.43	17.2	17.5	3.32	0.633	0.312	0.335	0.289	---	---	3.11	1967
1968	---	---	4.17	3.07	1.47	0.694	0.333	0.306	0.101	0.074	---	---	1.28	1968
1969	---	---	0.254	19.1	4.66	1.31	0.812	0.714	0.193	0.293	---	---	3.38	1969
1970	---	---	0.754	23.7	10.1	2.49	0.774	0.997	0.162	0.125	---	---	4.84	1970
1971	---	---	0.219	7.29	5.29	0.930	0.579	0.407	0.160	0.096	---	---	1.86	1971
1972	---	---	2.46	4.08	0.780	1.16	0.699	0.233	0.005	0.077	---	---	1.18	1972
1973	---	---	1.92	1.26	0.869	0.507	1.13	0.172	0.004	0	---	---	0.695	1973
1974	---	---	2.79	12.1	9.06	3.24	0.540	0.807	0	0.238	---	---	3.57	1974
1975	---	---	0.309	6.97	11.3	1.59	1.05	0.915	0.194	0.608	---	---	2.87	1975
1976	---	---	16.4	8.27	0.744	1.03	0.864	0.504	0.007	0.067	---	---	3.49	1976
1977	---	---	0.313	0.647	1.23	0.268	0.271	0.322	0.022	0.045	---	---	0.391	1977
1978	---	---	2.92	8.34	2.47	0.656	0.451	0.522	0.025	0.228	---	---	1.95	1978
1979	---	---	1.56	21.3	3.59	0.865	1.70	0.382	0.146	0.001	---	---	3.65	1979
1980	---	---	1.31	2.49	1.82	0.129	0.300	0.485	0.098	0.092	---	---	0.840	1980
1981	---	---	0.332	0.390	0.864	0.944	0.566	0.049	0	0	---	---	0.392	1981
1982	---	---	4.04	16.0	3.93	4.59	1.93	0.673	0.060	0.277	---	---	3.90	1982
1983	---	---	1.92	2.33	2.44	0.794	0.573	0.403	0.002	0.227	---	---	1.09	1983
1984	---	---	0.256	0.231	0.968	0.680	0.001	0	0	0	---	---	0.266	1984
1985	---	---	0.082	4.17	3.32	0.765	0.015	0.009	0.069	0.010	---	---	1.05	1985
1986	---	---	19.4	1.37	4.31	0.994	0.388	0.121	0.245	0.916	---	---	3.50	1986
1987	---	---	12.9	6.30	0.698	0.173	1.75	0.418	0.043	0.068	---	---	2.81	1987
1988	---	---	0.180	0.046	0.261	1.20	0.600	0.002	0	0	---	---	0.286	1988
1989	---	---	1.09	0.775	0.128	1.73	0.764	0	0	0.084	---	---	0.568	1989
1990	---	---	1.33	1.68	1.13	2.15	1.23	0.052	0.002	0	---	---	0.942	1990
MEAN	---	0.019	4.46	12.6	4.38	2.43	1.39	0.419	0.193	0.313	0.806	---	3.07	MEAN

LOCATION - LAT 49 00 00 N LONG 107 18 06 W DRAINAGE AREA, 5 510 km² REGULATED SINCE 1937 INTERNATIONAL GAUGING STATION

FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AC041

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	78.7 ON APR 30	77.0 ON APR 24	---	---	1917
1918	63.4 ON APR 06	60.6 ON APR 06	---	---	1918
1919	30.0 ON APR 05	27.6 ON APR 05	0 ON JUL 28 *	35 600	1919
1920	47.0 AT 16:00 MST ON MAY 10	32.8 ON APR 27	0 B ON MAR 01	99 000	1920
1921	25.0 AT 19:00 MST ON APR 19	24.1 ON APR 19	0 ON AUG 30	59 200	1921
1922	70.2 B AT 13:00 MST ON APR 06	69.4 B ON APR 06	---	---	1922
1923	82.7 AT 11:00 MST ON JUN 23	79.3 ON JUN 23	0.113 ON SEP 21	115 000	1923
1924	21.1 AT 24:00 MST ON APR 14	20.0 ON APR 14	0 B ON MAR 01	40 300	1924
1925	154 AT 14:00 MST ON MAR 29	136 ON MAR 29	0.028B ON MAR 01	163 000	1925
1926	40.8 AT 08:30 MST ON MAR 19	38.8 ON MAR 19	0 ON SEP 01	68 600	1926
1927	95.4 AT 11:00 MST ON APR 10	92.3 ON APR 10	0 B ON MAR 01	247 000	1927
1928	140 AT 05:00 MST ON MAR 25	123 ON MAR 25	0.561B ON MAR 01	133 000	1928
1929	18.0 AT 06:30 MST ON APR 29	17.8 ON APR 28	0 ON SEP 03	42 300	1929
1930	37.9 AT 01:00 MST ON APR 06	36.2 ON APR 05	0.020 ON SEP 20	93 500	1930
1931	15.2 AT 23:30 MST ON JUN 29	11.9 ON JUL 01	0 ON AUG 15	14 200	1931
1932	35.7 AT 20:00 MST ON AUG 11	22.2 ON JUN 12	0 ON AUG 16	53 600	1932
1933	21.0 B AT 03:00 MST ON MAR 30	20.0 B ON MAR 30	0 A ON JUL 24	41 000	1933
1934	12.9 AT 12:30 MST ON APR 12	12.8 ON APR 12	0 A ON JUL 21	24 800	1934
1935	23.7 AT 21:00 MST ON APR 24	23.1 ON APR 24	0 B ON MAR 01	48 100	1935
1936	37.1 AT 02:00 MST ON APR 16	36.2 ON APR 15	0 ON MAR 01	50 000	1936
1937	9.83 AT 23:00 MST ON JUL 14	4.64 ON JUL 13	0 A ON MAR 01	6 320	1937
1938	50.7 AT 13:00 MST ON JUL 05	20.9 ON JUL 06	0 B ON MAR 01	37 100	1938
1939	84.7 A AT 08:00 MST ON MAR 27	81.8 A ON MAR 27	0 ON MAR 01	130 000	1939
1940	54.7 AT 20:30 MST ON APR 26	54.4 ON APR 26	0 ON SEP 14	84 100	1940
1941	49.0 AT 13:30 MST ON MAR 25	43.9 ON MAR 25	0.003 ON SEP 08	57 600	1941
1942	45.0 AT 18:00 MST ON JUN 28	27.0 ON JUN 28	0.014 ON SEP 14	52 200	1942
1943	188 AT 09:20 MST ON MAR 30	188 ON MAR 30	0.003 ON OCT 08	147 000	1943
1944	29.4 B AT 17:15 MST ON APR 03	28.3 A ON APR 14	0.093A ON OCT 26	50 600	1944
1945	17.7 AT 08:15 MST ON APR 01	17.3 ON APR 01	0 ON SEP 14	28 400	1945
1946	20.8 B AT 15:30 MST ON MAR 16	19.3 B ON MAR 16	0 ON AUG 18	26 500	1946
1947	21.1 B AT 14:30 MST ON APR 04	17.6 ON APR 15	0 ON AUG 31	43 200	1947
1948	46.2 AT 16:00 MST ON AUG 06	18.8 ON APR 27	0 E ON OCT 01	31 000	1948
1949	5.44B AT 07:30 MST ON APR 05	4.30B ON APR 05	0 B ON MAR 01	8 000	1949
1950	81.3 AT 05:00 MST ON APR 17	66.3 ON APR 17	0 B ON MAR 08	73 600	1950
1951	55.2 AT 03:00 MST ON MAY 07	55.2 ON MAY 07	0.085B ON MAR 01	111 000	1951
1952	643 AT 15:00 MST ON APR 15 *	544 ON APR 15 *	0.170 ON OCT 29	433 000	1952
1953	37.1 E AT 11:00 ON MAY 30	34.8 E ON MAY 30	0.006 ON OCT 05	72 000	1953
1954	94.3 AT 12:00 ON APR 08	82.7 ON APR 08	0.246 ON SEP 24	92 500	1954
1955	55.2 ON APR 20	54.4 ON APR 20	0.283B ON MAR 19	210 000	1955
1956	22.3 AT 05:00 ON APR 23	21.0 ON APR 22	0.034 ON OCT 23	42 000	1956
1957	15.8 AT 15:00 ON APR 13	15.4 ON APR 13	0 ON AUG 24	32 700	1957
1958	50.4 AT 01:00 ON APR 10	49.8 ON APR 10	0 ON SEP 01	64 300	1958
1959	52.1 B AT 10:00 ON MAR 28	46.7 B ON MAR 28	0 ON SEP 07	41 200	1959
1960	73.6 B AT 05:00 ON MAR 28	67.7 B ON MAR 28	0 ON SEP 19	75 400	1960
1961	---	16.7 D ON MAR 19	0 ON JUL 18	11 500	1961
1962	79.3 E ON JUL 15	50.1 E ON JUL 15	0 B ON MAR 01	48 200	1962
1963	26.4 AT 18:00 ON JUN 08	20.3 ON APR 03	0 ON OCT 08	41 800	1963
1964	5.27 AT 17:00 ON APR 30	5.21 ON APR 30	0 ON JUL 27	13 300	1964
1965	46.4 AT 09:00 ON MAY 04	45.9 ON MAY 04	0.657B ON MAR 01	95 000	1965
1966	45.3 AT 10:00 ON APR 07	44.5 ON APR 07	0.006 ON SEP 08	66 500	1966
1967	44.7 AT 09:00 ON APR 17	44.2 ON APR 17	0.011 ON OCT 22	108 000	1967
1968	18.1 AT 12:00 MST ON APR 03	17.9 ON APR 03	0.003 ON SEP 13	27 100	1968
1969	56.6 AT 06:00 MST ON APR 08	52.4 ON APR 08	0.045 ON OCT 01	71 500	1969
1970	46.4 AT 13:30 MST ON APR 08	43.6 ON APR 08	0.078 ON SEP 29	102 000	1970
1971	26.6 AT 05:25 CST ON MAY 04	24.1 ON MAY 03	0.018 ON AUG 23	39 400	1971
1972	12.4 B AT 14:10 CST ON MAR 21	11.1 B ON MAR 20	0 ON SEP 08	25 000	1972
1973	7.11B AT 11:00 CST ON MAR 26	6.26 ON APR 29	0 ON AUG 20	14 700	1973
1974	36.2 B AT 10:28 CST ON APR 05	33.7 B ON APR 03	0 ON SEP 06	75 600	1974
1975	51.0 AT 11:33 CST ON MAY 06	34.8 ON MAY 08	0.059 ON OCT 01	60 700	1975
1976	48.1 B AT 00:30 CST ON MAR 29	46.2 B ON MAR 29	0 ON SEP 13	74 000	1976
1977	2.47 AT 01:00 CST ON APR 09	2.02 ON MAY 20	0 ON SEP 13	8 270	1977
1978	36.0 B AT 02:48 CST ON MAR 31	32.6 B ON MAR 31	0 ON SEP 08	41 300	1978
1979	46.2 AT 10:00 CST ON APR 27	45.5 ON APR 27	0 ON AUG 22	77 400	1979
1980	11.3 B AT 18:00 MST ON APR 09	8.79B ON MAR 31	0 ON JUL 16	17 800	1980
1981	3.19 AT 17:00 CST ON JUN 01	2.10 ON JUN 01	0 ON JUL 07	8 310	1981
1982	36.1 AT 10:00 CST ON APR 15	35.0 ON APR 15	0 ON OCT 16	82 500	1982
1983	9.00 AT 06:00 CST ON MAY 17	8.40 ON APR 02	0 ON AUG 31	23 000	1983
1984	1.82 AT 10:00 CST ON MAY 22	1.73 ON MAY 22	0 ON JUL 05	5 640	1984
1985	16.5 AT 16:30 CST ON APR 23	15.7 ON APR 23	0 ON MAR 01	22 200	1985
1986	46.3 AT 23:59 CST ON MAR 09	34.1 ON MAR 09	0 ON SEP 07	74 100	1986
1987	32.4 B AT 09:15 CST ON MAR 08	30.3 B ON MAR 08	0.005 ON JUL 12	59 500	1987
1988	4.87 AT 11:00 CST ON JUL 06	4.35 ON JUL 06	0 ON AUG 12	6 050	1988
1989	30.2 AT 20:00 CST ON JUN 10	9.57B ON MAR 30	0 B ON MAR 01	12 000	1989
1990	23.8 AT 14:00 CST ON JUL 26	7.88 ON JUL 26	0 ON SEP 10	19 900	1990
				64 900	MEAN

A - MANUAL GAUGE (ICE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT RAVENSCRAG - STATION NO. 11AC017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	0.524	0.462	0.282	0.148	0.209	---	---	---	1913
1929	---	---	0.270	6.64	2.44	1.35	0.386	.0.039	0.057	0.117	---	---	---	1929
1930	---	---	1.18	12.1	1.20	0.612	0.372	0.120	0.131	0.179	---	---	---	1930
1931	---	---	0.522	0.641	0.497	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.004	0.044	---	---	---	1935
1936	---	---	0.059	7.57	1.17	0.252	---	---	---	---	---	---	---	1936
MEAN	---	---	0.508	6.74	1.33	0.685	0.407	0.147	0.085	0.137	---	---	---	MEAN

LOCATION - LAT 49 29 30 N LONG 109 05 16 W DRAINAGE AREA, 1 180 km² REGULATED

FRENCHMAN RIVER AT RAVENSCRAG - STATION NO. 11AC017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1929	---	28.0 ON APR 22	---	---	1929
1930	---	49.0B ON APR 04 *	---	---	1930
1931	---	---	---	---	1931
1935	---	---	0 ON SEP 17 *	---	1935
1936	---	19.3E ON APR 14	---	---	1936
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT WALKER'S - STATION NO. 11AC029

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	38.0	6.04	9.00	14.5	2.52	1.23	1.88	---	---	---	1916
1965	---	---	---	---	---	---	---	0.648	0.361	2.27	---	---	---	1965
1966	---	---	---	---	2.27	0.895	---	0.528	0.490	0.090	---	---	---	1966
1967	---	---	---	---	---	---	0.695	0.359	0.243	0.192	---	---	---	1967
1968	---	---	---	---	1.49	0.632	0.388	0.354	0.078	0.100	---	---	---	1968
1969	---	---	---	---	---	1.26	0.675	0.745	0.210	0.302	---	---	---	1969
MEAN	---	---	---	38.0	3.27	2.95	4.06	0.859	0.435	0.806	---	---	---	MEAN

LOCATION - LAT 49 03 05 N LONG 107 21 14 W DRAINAGE AREA, 5 390 km² REGULATED

FRENCHMAN RIVER AT WALKER'S - STATION NO. 11AC029

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	148B ON MAR 30 *	---	---	1916
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	0 ON SEP 28 *	---	1968
1969	7.73 AT 01:24 MST ON JUL 03 *	---	0 ON SEP 18	---	1969
			---	---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER BELOW EASTEND IRRIGATION PROJECT - STATION NO. 11AC057

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1937	---	---	---	---	---	0.145	0.116	0.054	0.081	0.143	---	---	---	1937
1938	---	---	---	---	---	0.634	1.09	0.131	0.053	0.319	---	---	---	1938
1939	---	---	8.25	2.81	1.41	1.73	0.370	0.185	0.047	0.375	---	---	1.90	1939
1940	---	---	0.455	12.3	1.88	1.05	0.402	0.152	0.063	0.308	---	---	2.05	1940
1941	---	---	7.71	2.98	0.516	0.309	0.240	0.047	0.155	0.285	---	---	1.53	1941
1942	---	---	0.778	5.04	1.12	2.44	1.80	0.348	0.591	0.860	---	---	1.57	1942
1943	---	---	11.6	9.58	0.976	1.01	0.820	0.567	0.400	0.656	---	---	3.19	1943
1944	---	---	1.05	9.59	0.777	0.337	0.472	0.891	1.26	0.600	---	---	1.85	1944
1945	---	---	8.05	1.41	0.872	0.550	0.352	0.441	0.150	0.272	---	---	1.52	1945
1946	---	---	6.91	2.18	0.435	0.203	0.061	0.116	0.147	0.326	---	---	1.30	1946
1947	---	---	0.600	9.69	1.02	0.417	0.210	0.235	0.225	0.186	---	---	1.55	1947
1948	---	---	0.694	6.55	2.34	0.398	0.142	0.178	0.045	0.124	---	---	1.30	1948
1949	---	---	0.377	1.76	0.545	0.924	0.699	0.117	0.046	0.236	---	---	0.584	1949
1950	---	---	0.264	7.87	1.50	0.274	0.139	0.093	0.043	0.049	---	---	1.26	1950
1951	---	---	0.135	12.8	8.00	0.733	0.621	0.755	0.916	0.640	---	---	3.06	1951
1952	---	---	---	---	3.35	1.62	0.956	0.476	0.610	0.425	---	---	---	1952
1953	---	---	---	---	4.06	4.25	0.775	0.415	0.644	0.241	---	---	---	1953
1954	---	---	---	---	1.91	2.41	0.336	1.59	1.35	1.32	---	---	---	1954
1955	---	---	---	---	10.1	1.43	3.90	1.49	0.464	---	---	---	---	1955
1962	---	---	---	---	---	---	0.461	0.200	0.482	---	---	---	---	1962
1963	---	---	---	---	---	0.839	0.639	0.229	0.176	0.205	---	---	---	1963
1964	---	---	---	---	---	0.327	0.552	0.127	0.257	0.284	---	---	---	1964
1965	---	---	---	---	---	1.27	1.62	0.921	1.29	0.647	---	---	---	1965
1966	---	---	---	---	1.69	0.763	0.745	0.592	0.187	0.141	---	---	---	1966
1967	---	---	---	---	---	1.00	0.397	0.434	0.242	0.398	---	---	---	1967
1968	---	---	---	---	0.996	0.339	0.405	0.391	0.594	0.513	---	---	---	1968
1969	---	---	---	---	1.61	0.447	0.943	0.243	0.348	0.811	---	---	---	1969
1970	---	---	---	---	7.93	1.38	0.856	0.630	0.372	0.458	---	---	---	1970
1971	---	---	---	---	2.39	0.362	0.242	0.351	0.369	1.07	---	---	---	1971
1972	---	---	---	---	0.722	1.10	0.678	0.162	0.218	---	---	---	---	1972
1973	---	---	---	3.53	2.52	1.48	0.334	0.150	0.177	0.309	---	---	---	1973
1974	---	---	---	---	3.14	0.846	0.323	0.729	0.334	0.423	---	---	---	1974
1975	---	---	---	---	---	1.32	0.405	0.387	1.00	0.758	---	---	---	1975
MEAN	---	---	3.61	6.29	2.44	1.00	0.670	0.419	0.404	0.446	---	---	1.74	MEAN

LOCATION - LAT 49 24 34 N LONG 108 36 05 W DRAINAGE AREA 2 140 km² REGULATED SINCE 1937 INTERNATIONAL GAUGING STATION

FRENCHMAN RIVER BELOW EASTEND IRRIGATION PROJECT - STATION NO. 11AC057

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1937	---	---	0 ON AUG 25 *	---	1937
1938	---	---	0 ON SEP 22	---	1938
1939	---	61.7 ON MAR 22	0.011 ON SEP 09	40 200	1939
1940	---	65.4 ON APR 23	0.006 ON SEP 30	43 300	1940
1941	---	37.7 B ON MAR 28	0.023 ON AUG 23	32 500	1941
1942	19.1 AT 18:00 ON JUL 01	18.3 ON APR 14	0.204 ON JUL 23	33 300	1942
1943	90.0 B ON MAR 31	91.5 B ON MAR 31 *	0.176 ON AUG 16	67 500	1943
1944	65.7 B AT 19:30 ON APR 06	64.0 B ON APR 06	0.218 ON JUN 07	39 100	1944
1945	50.4 AT 10:30 ON MAR 24	45.9 ON MAR 24	0 ON JUL 30	32 200	1945
1946	34.5 AT 08:00 ON MAR 29	31.4 ON MAR 29	0 A ON JUL 25	27 600	1946
1947	44.5 B AT 09:20 ON APR 11	40.1 B ON APR 12	0.028B ON MAR 01	32 800	1947
1948	27.4 AT 21:00 ON APR 19	23.5 ON APR 19	0.017 ON SEP 13	27 400	1948
1949	8.04A AT 06:00 ON APR 10	6.29A ON APR 10	0.028B ON MAR 01	12 400	1949
1950	60.6 AT 01:00 ON APR 19	43.0 B ON APR 18	0.029A ON AUG 02	26 700	1950
1951	68.2 AT 05:30 ON APR 30	67.9 ON APR 30	0.011 ON SEP 19	64 700	1951
1952	340 ON APR 16 *	---	---	---	1952
1953	---	13.3 ON JUN 06	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	9.91 AT 01:50 CST ON JUN 16	7.31 ON APR 28	0 ON AUG 28	---	1973
1974	11.6 AT 17:30 CST ON MAY 26	11.2 ON MAY 26	0.164 ON JUL 21	---	1974
1975	---	---	---	---	1975
				36 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER BELOW EASTEND RESERVOIR - STATION NO. 11AC001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	7.15	6.71	3.92	0.751	0.479	1.16	---	---	---	1909
1910	---	---	---	---	0.869	0.284	0.131	0.009	0.020	0.021	---	---	---	1910
1911	---	---	---	11.3	2.21	1.32	0.881	0.465	0.569	0.900	---	---	---	1911
1912	---	---	---	30.0	4.91	1.58	0.291	0.218	0.795	0.521	---	---	---	1912
1913	---	---	---	14.9	2.19	1.06	0.600	0.378	---	---	---	---	---	1913
1914	---	---	1.50	7.27	0.733	0.453	0.092	0.061	0.255	0.512	---	---	1.34	1914
1915	---	---	1.03	9.97	1.22	2.20	1.65	0.878	0.874	0.723	---	---	2.29	1915
1916	---	---	---	5.56	3.69	4.25	2.32	1.23	0.964	1.93	---	---	---	1916
1918	---	---	11.8	17.2	3.60	1.42	0.631	0.479	0.354	0.483	---	---	4.47	1918
1919	---	---	0.269	5.05	1.45	0.422	0.117	0.027	0.349	0.336	---	---	0.992	1919
1920	---	---	0.815	15.7	8.35	1.41	0.723	0.253	0.292	0.332	---	---	3.45	1920
1921	---	---	1.69	9.37	2.40	0.644	0.266	0.218	0.354	0.398	---	---	1.90	1921
1922	---	---	0.306	22.3	8.98	1.16	0.963	0.459	0.258	0.495	---	---	4.32	1922
1923	---	---	0.313	5.79	1.55	1.61	0.610	0.439	0.333	0.474	---	---	1.38	1923
1924	---	---	0.412	4.08	1.39	1.22	0.396	0.326	0.183	0.376	---	---	1.04	1924
1925	---	---	1.64	19.3	2.03	1.36	0.395	0.303	0.307	0.573	---	---	3.19	1925
1926	---	---	5.31	3.90	0.741	0.475	0.158	0.190	0.410	0.515	---	---	1.46	1926
1927	---	---	0.272	21.6	13.8	2.28	2.48	1.16	0.877	0.838	---	---	5.75	1927
1928	---	---	11.1	5.75	2.63	2.03	1.78	0.697	0.505	0.544	---	---	3.14	1928
1929	---	---	0.491	8.17	3.49	2.00	0.636	0.252	0.340	0.508	---	---	1.97	1929
1930	---	---	1.18	12.0	1.75	0.872	0.655	0.300	0.406	0.490	---	---	2.18	1930
1931	---	---	0.902	1.07	1.05	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	---	0.255	---	---	---	1935
1936	---	---	0.210	8.65	1.72	0.463	0.074	0	0	0	---	---	1.37	1936
1939	---	---	---	2.68	1.75	2.08	0.294	0.103	0.036	0.334	---	---	---	1939
1940	---	---	0.542	11.0	1.72	0.768	0.226	0.073	0.041	0.314	---	---	1.80	1940
1941	---	---	7.80	1.93	0.259	0.135	0.107	0.025	0.156	0.268	---	---	1.34	1941
1942	---	---	0.648	4.79	0.860	1.55	1.01	0.227	0.482	0.736	---	---	1.28	1942
1943	---	---	12.0	5.81	0.736	0.574	0.513	0.401	0.352	0.439	---	---	2.60	1943
1944	---	---	0.767	9.49	0.642	0.067	0.221	0.729	0.929	0.642	---	---	1.66	1944
1945	---	---	7.32	1.53	0.642	0.285	0.134	0.306	0.148	0.299	---	---	1.34	1945
1946	---	---	6.89	4.23	0.293	0.049	0.014	0.052	0.151	0.308	---	---	1.25	1946
1947	---	---	0.615	9.00	0.847	0.333	0.095	0.126	0.000	0.284	---	---	1.42	1947
1948	---	---	0.399	6.18	2.01	0.186	0.072	0.116	0.040	0.123	---	---	1.15	1948
1949	---	---	0.292	1.74	0.446	0.911	0.572	0.046	0.086	0.302	---	---	0.546	1949
1950	---	---	0.298	6.59	1.33	0.098	0.070	0.042	0.038	0.079	---	---	1.05	1950
1951	---	---	0.271	13.3	6.36	0.362	0.514	0.635	0.778	0.588	---	---	2.86	1951
1952	---	---	0.714	41.1	3.12	1.73	1.05	0.469	0.533	0.400	---	---	6.03	1952
1953	---	---	0.716	6.19	4.40	3.64	0.640	0.249	0.187	0.311	---	---	2.02	1953
1954	---	---	0.607	5.67	2.19	2.31	0.269	1.43	1.05	1.30	---	---	1.84	1954
1955	---	---	0.690	25.6	9.26	1.06	2.65	1.23	0.480	0.634	---	---	5.15	1955
1956	---	---	0.763	6.27	2.53	0.705	0.776	0.240	0.614	0.569	---	---	1.51	1956
1957	---	---	0.644	7.76	0.897	0.227	0.420	0.968	0.247	0.411	---	---	1.43	1957
1958	---	---	0.060	11.7	0.665	0.168	0.545	0.489	0.128	0.278	---	---	1.82	1958
1959	---	---	2.33	4.22	0.849	0.371	0.613	0.040	0.101	0.589	---	---	1.13	1959
1960	---	---	9.66	2.12	1.18	0.908	0.140	0.120	0.146	0.209	---	---	1.83	1960
1961	---	---	1.00	0.995	0.990	0.173	0.118	0.081	0.070	0.198	---	---	0.454	1961
1962	---	---	1.69	3.73	0.089	0.343	0.226	0.108	0.502	0.350	---	---	0.823	1962
1963	---	---	4.23	1.79	0.207	0.258	0.487	0.096	0.152	0.177	---	---	0.927	1963
1964	---	---	0.512	3.39	1.53	0.105	0.453	0.119	0.291	0.315	---	---	0.835	1964
1965	---	---	0.321	19.3	2.90	0.728	1.21	0.856	1.09	0.678	---	---	3.34	1965
1966	---	---	6.71	3.95	1.49	0.410	0.600	0.306	0.216	0.200	---	---	1.74	1966
1967	---	---	0.599	4.71	15.4	0.631	0.152	0.206	0.186	0.434	---	---	2.90	1967
1968	---	---	5.30	2.51	0.740	0.144	0.348	0.352	0.560	0.465	---	---	1.11	1968
1969	---	---	0.464	7.68	1.33	0.087	0.386	0.100	0.148	0.765	---	---	1.35	1969
1970	---	---	0.556	14.4	6.89	0.908	0.575	0.540	0.340	0.428	---	---	3.05	1970
1971	---	---	0.555	6.16	2.26	0.252	0.174	0.130	0.501	0.801	---	---	1.34	1971
1972	---	---	6.99	3.24	0.445	0.861	0.280	0.136	0.182	0.448	---	---	1.56	1972
1973	---	---	0.779	3.50	2.09	0.707	0.271	0.104	0.225	0.352	---	---	1.00	1973
1974	---	---	0.793	4.22	3.49	0.790	0.184	0.544	0.267	0.374	---	---	1.33	1974
1975	---	---	0.267	4.17	5.91	1.03	0.358	0.131	0.976	0.797	---	---	1.70	1975
1976	---	---	4.96	4.25	0.283	0.099	0.176	0.171	0.217	0.485	---	---	1.33	1976
1977	---	---	0.605	4.62	0.719	0.278	1.23	0.626	0.111	0.319	---	---	1.05	1977
1978	---	---	0.620	3.96	1.47	0.145	0.298	0.109	0.584	0.942	---	---	1.01	1978
1979	---	---	3.81	11.3	1.30	0.200	0.176	0.111	0.152	0.365	---	---	2.15	1979
1980	---	---	0.481	2.21	0.328	1.50	0.307	0.178	0.174	0.353	---	---	0.683	1980
1981	---	---	0.575	0.239	0.119	0.301	0.323	0.105	0.047	0.218	---	---	0.241	1981
1982	---	---	0.338	3.83	1.78	2.79	1.31	0.246	0.390	0.334	---	---	1.38	1982
1983	---	---	1.82	2.10	1.88	0.320	1.18	0.259	0.518	0.540	---	---	1.08	1983
1984	---	---	0.644	1.17	0.416	0.257	0.066	0.047	0.107	0.355	---	---	0.381	1984
1985	---	---	1.19	12.7	0.822	0.273	0.110	0.135	0.395	0.555	---	---	1.99	1985
1986	---	2.87	5.42	0.094	1.78	0.073	0.051	0.162	0.958	0.553	---	---	1.31	1986
1987	---	---	5.01	3.57	0.329	0.094	0.107	0.132	0.757	0.065	---	---	1.26	1987
1988	---	---	1.60	1.44	0.136	0.076	0.062	0.031	0.046	0.249	---	---	0.418	1988
1989	---	---	0.462	0.796	0.200	1.44	0.174	0.053	0.413	0.357	---	---	0.482	1989
1990	---	---	5.48	2.21	0.664	0.372	0.113	0.528	0.045	0.230	---	---	1.21	1990
MEAN	---	2.87	2.33	7.73	2.38	0.982	0.571	0.326	0.363	0.468	---	---	1.80	MEAN

LOCATION - LAT 49 30 54 N LONG 108 50 16 W

DRAINAGE AREA 1 600 km²

REGULATED SINCE 1937

INTERNATIONAL GAUGING STATION

FRENCHMAN RIVER BELOW EASTEND RESERVOIR - STATION NO. 11AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	54.1 ON APR 11	53.0 ON APR 11	---	---	1911
1912	198 B ON APR 10	170 B ON APR 11	---	---	1912
1913	66.8 B ON APR 08	66.3 B ON APR 08	---	---	1913
1914	28.6 ON APR 13	24.1 ON APR 13	0.023E ON JUL 12	28 400	1914
1915	86.1 ON APR 04	75.6 ON APR 04	0.377 ON MAY 07	48 500	1915
1916	---	---	---	---	1916
1918	---	58.9 ON APR 10	0.269E ON SEP 08	94 600	1918
1919	18.7 ON APR 03	17.0 ON APR 03	0 ON AUG 05 *	21 000	1919
1920	65.1 AT 13:45 ON APR 21	59.5 ON APR 21	0.108 ON AUG 27	73 100	1920
1921	47.3 AT 13:50 ON APR 14	47.3 ON APR 14	0.018B ON MAR 14	40 200	1921
1922	103 ON APR 23	91.7 ON APR 23	0.085B ON MAR 01	91 400	1922
1923	28.3 B ON APR 15	24.7 B ON APR 16	0.125B ON MAR 04	29 100	1923
1924	27.1 B AT 17:30 ON APR 08	26.1 B ON APR 08	0.142 ON AUG 29	22 000	1924
1925	81.8 B AT 09:20 ON APR 06	72.2 B ON APR 06	0.142 ON SEP 10	67 400	1925
1926	40.2 B ON MAR 19	32.3 B ON MAR 16	0.040 ON JUL 31	30 900	1926
1927	124 AT 24:00 ON APR 26	116 ON APR 27	0.085B ON MAR 01	122 000	1927
1928	95.7 B AT 12:30 ON MAR 22	88.3 B ON MAR 22	0.272 ON OCT 28	66 400	1928
1929	32.3 AT 13:30 ON APR 22	31.4 ON APR 22	0.167 ON AUG 24	41 600	1929
1930	58.3 B AT 15:30 ON APR 05	57.5 B ON APR 05	0.210 ON AUG 11	46 100	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	---	21.9 E ON APR 15	0 B ON MAR 01	29 000	1936
1939	---	---	---	---	1939
1940	---	72.5 ON APR 22	0.014 ON SEP 24	38 200	1940
1941	---	35.4 B ON MAR 27	0.020 ON AUG 11	28 400	1941
1942	18.7 AT 23:00 ON APR 13	15.6 ON APR 13	0.102 ON JUL 19	47 000	1942
1943	105 B ON MAR 30	102 E ON MAR 31	0 ON AUG 14	55 100	1943
1944	74.2 AT 01:30 ON APR 05	68.2 ON APR 05	0.028 ON JUN 03	35 200	1944
1945	48.1 AT 23:00 ON MAR 23	37.4 ON MAR 24	0 ON JUL 31	28 400	1945
1946	34.8 AT 18:05 ON MAR 28	32.8 ON MAR 28	0.003 ON JUL 28	26 500	1946
1947	35.1 AT 22:00 ON APR 11	28.3 ON APR 11	0.011 ON AUG 04	30 000	1947
1948	29.2 AT 02:00 ON APR 19	27.0 ON APR 19	0.003 ON OCT 14	24 400	1948
1949	8.78B AT 20:00 ON APR 09	6.34 ON APR 10	0.008 ON AUG 16	11 500	1949
1950	63.1 B AT 05:00 ON APR 18	52.1 B ON APR 18	0.014 ON OCT 10	22 300	1950
1951	75.0 AT 02:00 ON APR 29	69.8 ON APR 28	0.031 ON SEP 18	66 500	1951
1952	326 A AT 07:00 ON APR 16 *	272 A ON APR 16 *	0.028 ON OCT 25	128 000	1952
1953	27.9 AT 13:00 ON APR 24	26.1 ON APR 24	0.014 ON SEP 30	42 900	1953
1954	41.3 AT 19:00 ON APR 14	36.8 ON APR 14	0.088 ON JUL 31	38 900	1954
1955	56.9 AT 14:00 ON APR 20	55.2 ON APR 20	0.164 ON JUL 01	109 000	1955
1956	34.0 AT 14:00 ON APR 15	32.0 ON APR 15	0.099 ON AUG 20	31 900	1956
1957	22.6 AT 16:00 ON APR 18	20.9 ON APR 18	0.082 ON AUG 26	30 300	1957
1958	79.6 AT 09:00 ON APR 05	74.8 ON APR 05	0.048 ON AUG 18	38 600	1958
1959	26.1 AT 06:00 ON APR 03	21.9 ON APR 03	0.028 ON SEP 07	24 000	1959
1960	49.0 B AT 23:00 ON MAR 27	47.9 B ON MAR 28	0.093 ON JUN 10	38 700	1960
1961	4.30 AT 21:30 ON MAR 25	3.62 ON MAR 25	0.008 ON AUG 31	9 600	1961
1962	20.8 ON APR 06	15.9 ON APR 06	0 ON SEP 19	17 400	1962
1963	32.3 AT 22:00 ON MAR 29	28.9 ON MAR 29	0.023 ON SEP 07	19 600	1963
1964	18.6 B AT 17:00 ON APR 03	14.2 B ON APR 03	0.014 ON AUG 04	17 700	1964
1965	70.5 AT 04:00 ON APR 26	68.2 ON APR 26	0 ON SEP 30	70 800	1965
1966	67.4 B AT 13:30 ON MAR 30	66.3 B ON MAR 31	0.156 ON JUN 19	36 800	1966
1967	57.8 AT 04:00 ON MAY 10	47.9 ON MAY 10	0.059 ON SEP 05	59 400	1967
1968	18.5 B AT 19:00 MST ON MAR 07	16.8 B ON MAR 07	0.099 ON JUN 03	27 700	1968
1969	71.4 B AT 21:20 MST ON APR 07	63.4 B ON APR 07	0.013 ON SEP 25	28 700	1969
1970	68.5 B AT 20:10 MST ON APR 11	63.4 B ON APR 11	0.082 ON JUL 24	64 700	1970
1971	23.1 AT 20:53 CST ON APR 16	20.6 ON APR 17	0.102 ON AUG 28	28 400	1971
1972	59.5 B AT 22:00 CST ON MAR 18	48.1 B ON MAR 19	0.108 ON AUG 09	33 400	1972
1973	7.33 AT 12:30 CST ON APR 27	6.94 ON APR 28	0.091 ON AUG 13	21 200	1973
1974	11.8 AT 21:03 CST ON MAY 25	11.4 ON MAY 25	0.139 ON AUG 06	28 100	1974
1975	55.5 AT 21:36 CST ON MAY 07	42.2 ON MAY 07	0.059B ON MAR 14	36 000	1975
1976	19.1 AT 23:56 CST ON APR 01	28.1 ON APR 02	0.065 ON MAY 28	28 100	1976
1977	11.9 AT 19:00 CST ON APR 09	10.5 B ON APR 09	0.028 ON AUG 21	22 200	1977
1978	16.2 B AT 04:14 CST ON APR 01	13.0 B ON APR 01	0.088 ON SEP 27	21 400	1978
1979	96.3 AT 02:12 CST ON APR 19	78.6 ON APR 19	0.075B ON MAR 06	45 600	1979
1980	9.93 AT 00:28 CST ON APR 08	9.66 ON APR 08	0.107 ON AUG 27	14 500	1980
1981	13.5 B AT 06:30 CST ON FEB 21	2.68B ON MAR 01	0 ON SEP 19	5 110	1981
1982	20.1 AT 01:38 CST ON APR 25	16.5 ON APR 25	0.132B ON APR 17	29 200	1982
1983	17.3 AT 08:07 CST ON APR 01	14.2 ON APR 01	0.225 ON SEP 07	22 800	1983
1984	3.06 AT 17:28 CST ON APR 10	2.98 ON APR 11	0 ON JUL 10	8 060	1984
1985	58.4 AT 22:51 CST ON APR 13	46.0 ON APR 13	0.009 ON JUL 26	42 100	1985
1986	42.4 B AT 20:45 CST ON FEB 27	33.2 B ON MAR 01	0.020 ON JUN 22	27 800	1986
1987	31.2 B AT 14:04 CST ON MAR 08	26.4 B ON MAR 08	0.009 ON JUL 27	26 600	1987
1988	8.12B AT 20:30 CST ON MAR 24	6.47B ON MAR 24	0.007 ON SEP 10	8 850	1988
1989	5.71 AT 19:12 CST ON JUN 13	4.59 ON JUN 14	0.002 ON MAY 17	10 200	1989
1990	14.9 AT 22:28 CST ON MAR 11	14.5 ON MAR 12	0 ON SEP 12	25 600	1990
				38 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER BELOW MULE CREEK - STATION NO. 11AC071

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	0.025	0.210	0.260	---	---	---	1964
1965	---	---	---	---	---	1.28	1.82	0.923	1.37	0.655	---	---	---	1965
1966	---	---	---	---	2.04	0.945	0.672	0.608	0.244	0.201	---	---	---	1966
1967	---	---	---	---	---	---	0.356	0.336	0.107	0.343	---	---	---	1967
1968	---	---	---	---	1.22	0.351	0.295	0.323	0.559	0.494	---	---	---	1968
1969	---	---	---	---	2.14	0.484	1.04	0.205	0.153	0.775	---	---	---	1969
MEAN	---	---	---	---	1.80	0.765	0.877	0.403	0.454	0.455	---	---	---	MEAN

LOCATION - LAT 49 24 55 N
LONG 108 12 21 W
DRAINAGE AREA, 2 870 km²
REGULATED

FRENCHMAN RIVER BELOW MULE CREEK - STATION NO. 11AC071

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	9.15 AT 00:00 MST ON JUN 29 *	---	---	---	1965
1966	4.28 AT 10:00 MST ON MAY 07	---	---	---	1966
1967	---	---	---	---	1967
1968	2.42 AT 16:00 MST ON MAY 04	---	---	---	1968
1969	4.79 AT 16:46 MST ON MAY 03	---	---	---	1969
	* - EXTREME RECORDED FOR THE PERIOD OF RECORD			---	MEAN

FRENCHMAN RIVER BELOW NEWTON LAKE - STATION NO. 11AC062

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	---	---	---	6.55	0.781	0.014	0.014	0.014	---	---	---	1939
1940	---	---	0 R	12.3 R	---	---	---	---	---	---	---	---	---	1940
1965	---	---	---	---	---	---	1.18	0.209	0.828	1.86	---	---	---	1965
1966	---	---	---	---	1.96	0.152	0.173	0.136	0.710	0.223	---	---	---	1966
1967	---	---	---	---	---	0.811	0.147	0.125	0.087	0.061	---	---	---	1967
1968	---	---	---	---	1.06	0.158	0.132	0.102	0.080	0.166	---	---	---	1968
1969	---	---	---	---	2.44	0.496	0.460	0.326	0.162	0.257	---	---	---	1969
1970	---	---	---	---	---	0.279	0.371	0.260	0.159	0.316	---	---	---	1970
1971	---	---	---	---	---	0.267	0.229	0.283	0.296	0.161	---	---	---	1971
1972	---	---	---	---	0.446	0.243	0.260	0.188	0.090	0.151	---	---	---	1972
1973	---	---	---	1.45	0.634	0.296	1.14	0.099	0.143	0.157	---	---	---	1973
1974	---	---	---	---	6.71	2.03	0.115	0.068	0.117	0.332	---	---	---	1974
1975	---	---	---	---	9.52	0.357	0.868	0.309	0.278	0.625	---	---	---	1975
1976	---	---	---	---	0.361	0.269	0.309	0.223	0.091	0.201	---	---	---	1976
1977	---	---	0.254	0.671	0.704	0.269	0.302	0.202	0.194	0.146	---	---	0.342	1977
1978	---	---	0.082	2.47	1.93	0.059	0.213	0.034	0.075	0.462	---	---	0.662	1978
1979	---	---	1.89	14.2	2.07	0.052	0.076	0.059	0.370	0.119	---	---	2.32	1979
1980	---	---	0.336	0.300	1.26	0.075	0.056	0.539	0.011	0.254	---	---	0.359	1980
1981	---	---	0.267	0.545	0.332	0.689	0.828	0.189	0.064	0.240	---	---	0.394	1981
1982	---	---	0.065	7.35	0.894	3.66	1.93	0.298	0.163	0.426	---	---	1.82	1982
1983	---	---	0.505	1.68	1.79	0.240	0.265	0.160	0.024	0.474	---	---	0.652	1983
1984	---	---	0.157	0.504	0.846	0.563	0.035	0.007	0	0	---	---	0.263	1984
1985	---	---	0.184	5.76	2.90	0.474	0.077	0.075	0.066	0.177	---	---	1.20	1985
1986	---	---	6.87	1.04	2.69	0.164	0.115	0.078	0.046	0.586	---	---	1.71	1986
1987	---	---	7.24	1.96	0.116	0.079	0.142	0.017	0.101	0.165	---	---	1.48	1987
1988	---	---	0.083	0.311	0.334	1.39	0.200	0.001	0.001	0.080	---	---	0.297	1988
1989	---	---	0.003	0.104	0.314	1.48	0.804	0.061	0.184	0.307	---	---	0.405	1989
1990	---	---	0.074	2.18	1.07	2.00	0.321	0.132	0	0	---	---	0.714	1990
MEAN	---	---	1.34 R	3.43 R	1.84	0.889	0.431	0.155	0.164	0.295	---	---	0.901R	MEAN

LOCATION - LAT 49 18 07 N
LONG 107 48 20 W
DRAINAGE AREA, 3 490 km²
REGULATED SINCE 1937

INTERNATIONAL GAUGING STATIONR - REVISED SINCE JAN 01 1989

FRENCHMAN RIVER BELOW NEWTON LAKE - STATION NO. 11AC062

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	---	---	---	1939
1940	---	---	---	---	1940
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	7.65 AT 08:45 CST ON APR 26	7.62 ON APR 26	---	---	1973
1974	47.6 AT 15:01 CST ON MAY 24	36.0 ON MAY 24	0.040 ON JUL 27	---	1974
1975	45.6 AT 23:02 CST ON MAY 10	45.3 ON MAY 11	0.170A ON APR 25	---	1975
1976	---	---	0.071 ON SEP 24	---	1976
1977	1.64 AT 21:34 CST ON MAY 05	1.62 ON MAY 05	0.136 ON OCT 28	7 250	1977
1978	4.79 AT 11:23 CST ON APR 18	4.70 ON APR 22	0.020 ON AUG 26	14 000	1978
1979	66.6 AT 14:39 CST ON APR 19 *	51.3 ON APR 20	0.035 ON AUG 15	49 100	1979
1980	1.67 AT 11:00 CST ON MAY 02	1.64 ON MAY 03	0.002 ON AUG 21	7 590	1980
1981	1.83 AT 11:30 CST ON MAR 04	1.57 ON APR 21	0 ON JUN 30 *	8 340	1981
1982	42.7 AT 18:09 CST ON APR 16	41.8 ON APR 17	0.010B ON MAR 01	38 600	1982
1983	6.29 AT 21:35 CST ON MAY 16	6.26 ON MAY 17	0 ON SEP 16	13 800	1983
1984	2.18 AT 22:26 CST ON MAY 23	1.87 ON MAY 23	0 E ON AUG 12	5 560	1984
1985	47.8 AT 13:39 CST ON APR 19	35.3 ON APR 19	0 B ON MAR 01	25 500	1985
1986	58.9 AT 15:31 CST ON MAR 04	52.3 ON MAR 04 *	0.030 ON SEP 29	36 300	1986
1987	15.7 B AT 13:41 CST ON MAR 15	15.6 B ON MAR 15	0.001 ON AUG 08	31 300	1987
1988	1.77 AT 15:25 CST ON APR 13	1.74 ON APR 14	0 ON OCT 13	6 290	1988
1989	1.95 AT 15:16 CST ON JUL 01	1.89 ON JUL 02	0 B ON MAR 01	8 580	1989
1990	12.3 AT 10:54 CST ON APR 05	10.3 ON APR 05	0 ON AUG 13	15 100	1990
				19 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER BELOW VAL MARIE - STATION NO. 11AC051

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1937	---	---	0.004	0.615	0.014	0.437	1.09	0.006	0	0	---	---	0.270	1937
1938	---	---	0.261	2.97	0.877	0.220	1.73	0.080	0.045	0.026	---	---	0.773	1938
1939	---	---	12.4	3.17	2.84	7.31	1.25	0.366	0.079	0.101	---	---	3.44	1939
1940	---	---	0.028	15.2	1.42	4.12	0.664	0.221	0.168	0.694	---	---	2.77	1940
1941	---	---	5.75	7.21	0.739	0.664	0.410	0.207	0.360	0.211	---	---	1.94	1941
1942	---	---	2.43	4.17	0.827	1.90	3.24	0.302	0.275	0.365	---	---	1.67	1942
1943	---	---	18.0	20.4	1.95	1.77	0.805	0.197	0.096	0.278	---	---	5.41	1943
1944	---	---	1.90	9.58	0.848	0.306	0.306	0.665	0.351	1.30	---	---	1.89	1944
1945	---	---	6.38	0.841	0.896	0.393	0.532	0.292	0.032	0.003	---	---	1.18	1945
1946	---	---	3.01	2.85	0.399	0.334	0.416	0.046	0.131	0.283	---	---	1.04	1946
1947	---	---	0.496	6.90	0.984	0.825	0.397	0.240	0.567	0.608	---	---	1.30	1947
1948	---	---	0.862	4.74	1.91	0.560	0.548	0.713	0.240	0.041	---	---	1.20	1948
1949	---	---	0.103	0.330	0.560	0.440	0.674	0.001	0	0	---	---	0.264	1949
1950	---	---	0.014	12.3	1.89	0.651	0.286	0.372	0.104	0.472	---	---	1.99	1950
1951	---	---	0.159	14.9	14.9	0.745	1.35	0.798	1.77	0.840	---	---	4.41	1951
1952	---	---	---	---	---	1.69	4.17	1.28	1.60	0.744	---	---	---	1952
1953	---	---	---	---	8.41	10.4	1.50	0.292	0.070	0.135	---	---	---	1953
1954	---	---	---	---	2.14	3.72	1.26	2.08	0.529	2.10	---	---	---	1954
1955	---	---	---	---	14.5	2.72	---	1.44	0.825	0.655	---	---	---	1955
1956	---	---	---	---	2.30	1.26	0.764	0.518	0.456	0.206	---	---	---	1956
1957	---	---	---	---	1.66	0.848	0.195	0.160	0.124	0.074	---	---	---	1957
1958	---	---	---	---	0.801	0.544	0.208	0.177	0.161	0.052	---	---	---	1958
1959	---	---	---	---	1.33	1.06	0.854	0.291	0.040	0.078	---	---	---	1959
1960	---	---	---	---	1.76	0.819	0.312	0.278	0.061	0.283	---	---	---	1960
1961	---	---	---	0.635	0.398	0.348	0.080	0.040	0	0.228	---	---	---	1961
1962	---	---	---	3.06	1.20	0.319	4.29	0.116	0.111	0.412	---	---	---	1962
1963	---	---	---	4.38	0.894	1.69	0.432	0.502	0.118	0.112	---	---	---	1963
1964	---	---	---	1.60	1.93	0.473	0.408	0.194	0.080	0.039	---	---	---	1964
1965	---	---	---	15.2	7.74	1.55	1.41	0.565	0.688	1.99	---	---	---	1965
1966	---	---	---	10.4	2.18	0.691	0.521	0.518	0.579	0.114	---	---	---	1966
1967	---	---	---	14.6	16.6	2.62	0.661	0.334	0.094	0.060	---	---	---	1967
1968	---	---	---	2.51	1.55	0.644	0.500	0.325	0.096	0.123	---	---	---	1968
1969	---	---	---	12.8	3.52	1.19	0.522	0.826	0.268	0.321	---	---	---	1969
1970	---	---	---	20.6	8.23	1.41	0.660	0.991	0.164	0.280	---	---	---	1970
1971	---	---	---	---	4.01	0.655	0.679	0.445	0.166	0.200	---	---	---	1971
1972	---	---	---	---	0.617	0.997	0.817	0.252	0.084	0.193	---	---	---	1972
1973	---	---	---	1.27	4.02	0.537	1.23	0.428	0.093	0.132	---	---	---	1973
1974	---	---	---	---	7.36	3.08	0.542	0.396	0.073	0.321	---	---	---	1974
1975	---	---	---	---	---	1.15	1.33	0.540	0.292	0.639	---	---	---	1975
1988	---	---	---	---	0.479	1.25	0.214	0	0	0	---	---	---	1988
1989	---	---	---	---	0.328	1.23	0.703	0.011	0.101	0.193	---	---	---	1989
1990	---	---	---	1.91	1.21	2.34	0.314	0.138	0.001	0	---	---	---	1990
MEAN	---	---	3.51	7.23	3.08	1.55	0.953	0.420	0.265	0.354	---	---	1.97	MEAN

LOCATION - LAT 49 11 40 N
LONG 107 41 12 W
DRAINAGE AREA 4 470 km^2
REGULATED SINCE 1937

FRENCHMAN RIVER BELOW VAL MARIE - STATION NO. 11AC051

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1937	7.59	ON JUL 17	4.56	ON JUL 17	0	ON MAR 01 *	5 720	1937
1938	12.0 AT 18:00	ON APR 16	11.9	ON APR 16	0 B	ON MAR 01	16 400	1938
1939	84.4 AT 17:00	ON MAR 24	82.1	ON MAR 24	0.028B	ON MAR 01	72 900	1939
1940	53.0	ON APR 24	53.0	ON APR 24	0.028B	ON MAR 01	58 700	1940
1941	41.9 B AT 15:00	ON MAR 21	26.4	ON APR 03	0.074	ON JUL 25	41 000	1941
1942	13.9 AT 21:30	ON JUN 30	13.6 B	ON MAR 12	0.028	ON OCT 09	35 400	1942
1943	130 B	ON MAR 25	98.0 A	ON MAR 31 *	0.023	ON OCT 01	114 000	1943
1944	39.6 AT 10:00	ON APR 11	32.6	ON APR 11	0.057	ON SEP 19	40 000	1944
1945	21.2 AT 16:00	ON MAR 29	20.2	ON MAR 29	0 A	ON SEP 28	25 000	1945
1946	22.5 A AT 11:40	ON APR 02	22.5 A	ON APR 02	0.006	ON AUG 24	22 000	1946
1947	15.6 AT 08:30	ON APR 19	14.9	ON APR 19	0.028B	ON MAR 01	27 500	1947
1948	25.7	ON APR 25	23.1 E	ON APR 24	0.011	ON OCT 30	25 400	1948
1949	2.12 AT 07:00	ON APR 06	1.59	ON JUL 09	0	ON JUL 28	5 580	1949
1950	45.0 AT 13:00	ON APR 23	44.7	ON APR 23	0.014B	ON MAR 01	42 000	1950
1951	71.6 A	ON MAY 05	66.3 A	ON MAY 04	0.142B	ON MAR 01	93 400	1951
1952	501	ON APR 14 *	---		---		---	1952
1953	---		---		---		---	1953
1954	---		---		---		---	1954
1955	---		---		---		---	1955
1956	---		---		---		---	1956
1957	---		---		---		---	1957
1958	---		---		---		---	1958
1959	---		---		---		---	1959
1960	---		---		0	ON SEP 17	---	1960
1961	---		---		---		---	1961
1962	---		---		---		---	1962
1963	50.7 AT 06:00 MST	ON APR 01	33.4	ON APR 01	---		---	1963
1964	6.17 AT 24:00 MST	ON APR 28	6.06	ON APR 29	---		---	1964
1965	56.9 AT 03:00 MST	ON APR 29	56.6	ON APR 29	---		---	1965
1966	66.0 AT 22:00 MST	ON APR 01	61.4	ON APR 02	---		---	1966
1967	79.0 AT 04:00 MST	ON APR 13	68.8	ON APR 13	---		---	1967
1968	---		---		---		---	1968
1969	71.1 B AT 18:55 MST	ON APR 07	69.4	ON APR 11	---		---	1969
1970	85.5 AT 18:55 MST	ON APR 07	50.4	ON APR 12	---		---	1970
1971	55.2 AT 02:13 CST	ON MAY 01	37.1	ON MAY 01	---		---	1971
1972	---		---		---		---	1972
1973	7.50 AT 00:30 CST	ON APR 28	7.16	ON APR 27	---		---	1973
1974	51.0 AT 20:40 CST	ON MAY 25	28.1	ON MAY 26	0.045	ON SEP 24	---	1974
1975	51.0 AT 03:06 CST	ON MAY 12	49.0	ON MAY 12	---		---	1975
1988	3.45 AT 22:23 CST	ON JUL 05	1.85	ON JUN 19	0	ON JUL 12	---	1988
1989	---		---		0	ON AUG 02	---	1989
1990	8.48 AT 05:41 CST	ON APR 06	7.97	ON APR 06	0	ON SEP 05	---	1990
MEAN							41 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER NEAR BELANGER - STATION NO. 11AC022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	0.364	0.187	0.119	0.175	---	---	---	1916
1917	---	---	---	---	---	0.813	0.295	0.184	0.150	0.147	---	---	---	1917
MEAN	---	---	---	---	---	0.813	0.330	0.186	0.135	0.161	---	---	---	MEAN

LOCATION - LAT 49 29 00 N, LONG 109 21 00 W
DRAINAGE AREA, 554 km^2
REGULATED

FRENCHMAN RIVER NEAR BELANGER - STATION NO. 11AC022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
1917	---	---	---	---	1917
				---	MEAN

FRENCHMAN RIVER NEAR ROSEFIELD - STATION NO. 11AC070

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	1.46	0.628	0.529	2.34	---	---	---	1965
1966	---	---	---	---	2.47	0.852	0.451	0.449	0.667	0.098	---	---	---	1966
1967	---	---	---	---	---	---	0.641	0.339	0.245	0.135	---	---	---	1967
1968	---	---	---	---	1.49	0.672	0.416	0.331	0.104	0.153	---	---	---	1968
1969	---	---	---	---	---	1.15	0.587	0.779	0.247	0.284	---	---	---	1969
MEAN	---	---	---	---	1.98	0.891	0.711	0.505	0.358	0.602	---	---	---	MEAN

LOCATION - LAT 49 09 10 N, LONG 107 31 50 W
DRAINAGE AREA, 4 660 km^2
REGULATED

FRENCHMAN RIVER NEAR ROSEFIELD - STATION NO. 11AC070

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	2.33 AT 06:00 MST ON MAY 20	---	---	---	1968
1969	2.40 AT 01:20 MST ON JUL 18 *	---	---	---	1969
	* - EXTREME RECORDED FOR THE PERIOD OF RECORD			---	MEAN

GAFF DITCH FROM BATTLE CREEK - STATION NO. 11AB019

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0.330	0.074	0	0	0	---	---	0.050	1912
1913	---	---	0	0	0.011	0.174	0	0	0	0	---	---	0.023	1913
1914	---	---	0	0	0.191	0.368	0.021	0	0	0	---	---	0.072	1914
1915	---	---	0	0	0.213	0.027	0	0	0	0	---	---	0.030	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0.056	0.100	0.124	0	0	---	---	0.035	1917
1918	---	---	0	0	0	0.162	0.027	0.040	0.059	0.113	---	---	0.050	1918
1919	---	---	0	0.030	0.101	0.046	0	0	0	0	---	---	0.022	1919
1920	---	---	0	0	0.027	0.100	0	0	0	0	---	---	0.016	1920
1921	---	---	0	0	0	0.099	---	---	---	---	---	---	---	1921
1922	---	---	0	0	0	0.021	0.039	0	0	0	---	---	0.007	1922
1923	---	---	0	0	0.009	0.026	0	0	0	0	---	---	0.004	1923
1924	---	---	0	0	0.003	0.023	0.010	0	0	0	---	---	0.005	1924
1925	---	---	0	0	0	0	0.045	0	0	0	---	---	0.006	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0.014	0.007	0.005	0	0	---	---	0.003	1931
MEAN	---	---	0	0.002	0.028	0.072	0.017	0.009	0.003	0.006	---	---	0.017	MEAN

LOCATION - LAT 49 24 40 N
LONG 109 47 35 W REGULATED

GAFF DITCH FROM BATTLE CREEK - STATION NO. 11AB019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	0.606 ON JUN 15 *	0 ON MAR 01 *	1 050	1912
1913	---	0.481 ON JUN 02	0 ON MAR 01	481	1913
1914	---	0.473 ON MAY 21	0 ON MAR 01	1 520	1914
1915	---	0.456 ON MAY 14	0 ON MAR 01	640	1915
1916	---	0 ON MAR 01	0 ON MAR 01	0	1916
1917	---	0.357 ON AUG 09	0 ON MAR 01	744	1917
1918	---	0.297E ON JUN 08	0 ON MAR 01	1 050	1918
1919	---	0.139 ON MAY 19	0 ON MAR 01	466	1919
1920	---	0.280 ON JUN 15	0 ON MAR 01	333	1920
1921	---	---	0 ON MAR 01	---	1921
1922	---	0.147 ON JUN 27	0 ON MAR 01	157	1922
1923	---	0.091 ON JUN 02	0 ON MAR 01	92.0	1923
1924	---	0.105 ON JUN 07	0 ON MAR 01	95.6	1924
1925	---	0.229 ON JUL 23	0 ON MAR 01	120	1925
1926	---	0 ON MAR 01	0 ON MAR 01	0	1926
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
1930	---	0 ON MAR 01	0 ON MAR 01	0	1930
1931	---	0.014E ON JUN 01	0 ON MAR 01	68.4	1931
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		359	MEAN

GAFF DITCH NEAR MERRYFLAT - STATION NO. 11AB102

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0.393	0.083	0.125	0.001	0.015	0.024	0	---	---	0.079	1964
1965	---	---	0	0.017	0.222	0.197	0.004	0.012	0.003	0.001	---	---	0.057	1965
1966	---	---	0.020	0.007	0.211	0.187	0.038	0.033	0.015	0.009	---	---	0.065	1966
1967	---	---	0		0.103	0.347	0.184	0.049	0.002	0.011	---	---	0.087	1967
1968	---	---	0.003	0.147	0.427	0.006	0.027	0.006	0.010	0.001	---	---	0.090	1968
1969	---	---	0	0.061	0.388	0.237	0.092	0.003	0	0	---	---	0.098	1969
1970	---	---	0	0.075	---	0.480	0.001	0	0	0	---	---	---	1970
1971	---	---	0	0.256	0.495	0.449	0.003	0.002	0.015	0.002	---	---	0.152	1971
1972	---	---	0.070	0.282	0.471	0.190	0	0	0.089	0	---	---	0.137	1972
1973	---	---	0.001	0.012	0.469	0.191	0.005	0	0.062	0.025	---	---	0.096	1973
1974	---	---	0	0.151	0.102	0.462	0.005	0.006	0.008	0.005	---	---	0.091	1974
1975	---	---	0	0	0.291	0.076	0.130	0.040	0.001	0.001	---	---	0.068	1975
1976	---	---	0.003	0.481	0.264	0.335	0.059	0.003	0.003	0.003	---	---	0.142	1976
1977	---	---	0.036	0.355	0.275	0.005	0	0	0	0	---	---	0.083	1977
1978	---	---	0	0.039	0.459	0.098	0.001	0.001	0.012	0.001	---	---	0.077	1978
1979	---	---	0	0	0.286	0.505	0.058	0.008	0.003	0.004	---	---	0.107	1979
1980	---	---	0	0.209	0.237	0.056	0.012	0.004	0.020	0.001	---	---	0.067	1980
1981	---	---	0.001	0.320	0.172	0.012	0.033	0.003	0.026	0.010	---	---	0.071	1981
1982	---	---	0	0.057	0.390	0.241	0.002	0.018	0.003	0.002	---	---	0.089	1982
1983	---	---	0.001	0.434	0.056	0.291	0.004	0.004	0.003	0.005	---	---	0.098	1983
1984	---	---	0	0.295	0.385	0.077	0.009	0.005	0.045	0	---	---	0.102	1984
1985	---	---	0	0.373	0.132	0.003	0.001	0	0	0	---	---	0.063	1985
1986	---	---	0.004	0.342	0.133	0.348	0.020	0	0.001	0	---	---	0.104	1986
1987	---	---	0.002	0.341	0.305	0.004	0.004	0.004	0.003	0.007	---	---	0.083	1987
1988	---	---	0.026	0.422	0.121	0.014	0	0	0	0	---	---	0.072	1988
1989	---	---	0	0.224	0.313	0	0	0	0	0	---	---	0.067	1989
1990	---	---	0	0.614	0.010	0.072	0.015	0.002	0.001	0	---	---	0.088	1990
MEAN	---	---	0.006	0.219	0.262	0.185	0.026	0.011	0.013	0.003	---	---	0.090	MEAN

LOCATION - LAT 49 26 05 N
LONG 109 50 07 W REGULATED

INTERNATIONAL GAUGING STATION

GAFF DITCH NEAR MERRYFLAT - STATION NO. 11AB102

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0.518 ON APR 10	0 ON MAR 01 *	1 670	1964
1965	---	0.571 ON JUN 05	0 B ON MAR 01	1 200	1965
1966	---	0.530 ON JUN 04	0 B ON MAR 01	1 370	1966
1967	---	0.464 ON JUL 02	0 B ON MAR 01	1 830	1967
1968	---	0.563 ON APR 28	0.001 ON OCT 14	1 910	1968
1969	---	0.600 ON MAY 16	0 ON MAR 01	2 060	1969
1970	---	---	---	---	1970
1971	---	1.18 ON APR 22 *	0 B ON MAR 01	3 210	1971
1972	---	0.657 ON MAY 27	0 B ON MAR 01	2 900	1972
1973	---	0.680 ON JUN 17	0 B ON MAR 01	2 030	1973
1974	---	0.694 ON MAY 28	0 ON MAR 01	1 920	1974
1975	---	0.657 ON MAY 21	0 B ON MAR 01	1 440	1975
1976	---	0.680 ON APR 06	0 B ON MAR 01	3 010	1976
1977	---	0.532 ON APR 27	0 B ON MAR 01	1 770	1977
1978	---	0.612 ON MAY 25	0 B ON MAR 01	1 620	1978
1979	---	0.671 ON JUN 08	0 B ON MAR 01	2 270	1979
1980	---	0.496 ON APR 29	0 B ON MAR 01	1 420	1980
1981	---	0.516 ON APR 18	0 ON MAR 01	1 510	1981
1982	---	0.689 ON MAY 20	0 B ON MAR 01	1 880	1982
1983	---	0.592 ON APR 20	0 B ON MAR 01	2 080	1983
1984	---	0.639 ON MAY 07	0 B ON MAR 01	2 150	1984
1985	---	0.798 ON APR 14	0 B ON MAR 01	1 330	1985
1986	---	0.525 ON JUN 09	0 ON AUG 03	2 210	1986
1987	---	0.638 ON MAY 01	0 B ON MAR 01	1 770	1987
1988	---	0.650B ON APR 05	0 B ON MAR 01	1 530	1988
1989	---	0.645 ON APR 24	0 B ON MAR 01	1 420	1989
1990	---	0.962 ON APR 03	0 B ON MAR 01	1 850	1990
				1 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GAINSBOROUGH CREEK NEAR STORTHOAKS - STATION NO. 05NF013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	6.27	0.952	0.183	0.004	0	0	0	---	---	0.911	1974
1975	---	---	0	4.94	2.13	1.39	0.063	0	1.74	0.841	---	---	1.37	1975
1976	---	---	0.002	22.4	0.567	0.083	0.010	0	0	0	---	---	2.82	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.005	0.011	0	0	0	0	0	0	---	---	0.002	1978
1979	---	---	0	2.05	0.571	0.014	0	0	0	0	---	---	0.325	1979
1980	---	---	0	0.009	0	0	0	0	0	0	---	---	0.001	1980
1981	---	0.073	0.023	0	0	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	1.28	0.063	0	0	0	0	0	---	---	0.164	1982
1983	---	---	0	2.48	0.193	0.002	0	0	0	0	---	---	0.328	1983
1984	---	---	0.001	0.001	0.023	0	0	0	0	0	---	---	0.003	1984
1985	---	---	0.491	0.732	0.041	0	0	1.92	0.761	0.387	---	---	0.543	1985
1986	---	0.014	1.63	0.684	1.13	0.009	0.010	0.002	0	0	---	---	0.435	1986
1987	---	---	0.364	2.75	0.010	0.002	0	0	0	0	---	---	0.384	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.053	0	0	0	0	0	0	---	---	0.007	1989
1990	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1990
MEAN	---	0.044	0.140	2.43	0.316	0.094	0.005	0.107	0.139	0.068	---	---	0.405	MEAN

LOCATION - LAT 49 24 51 N LONG 101 31 36 W DRAINAGE AREA, 712 km² NATURAL FLOW

GAINSBOROUGH CREEK NEAR STORTHOAKS - STATION NO. 05NF013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	0 ON MAR 01	0 ON MAR 01 *	0	1973
1974	29.4 AT 09:06 CST ON APR 20	27.5 ON APR 20	0B ON MAR 01	19 300	1974
1975	20.0 AT 18:09 CST ON APR 28	17.4 ON APR 29	0B ON MAR 01	29 000	1975
1976	89.2 B AT 19:05 CST ON APR 10 *	75.9 B ON APR 10 *	0E ON JUL 27	59 800	1976
1977	---	0 B ON MAR 01	0B ON MAR 01	0	1977
1978	0.110B AT 05:20 CST ON APR 07	0.099B ON MAR 30	0B ON MAR 01	41.4	1978
1979	11.8 B AT 08:00 CST ON APR 25	8.64 B ON APR 26	0B ON MAR 01	6 890	1979
1980	0.112 AT 11:27 CST ON APR 14	0.064 ON APR 14	0B ON MAR 01	24.4	1980
1981	---	0.075B ON MAR 01	0 ON APR 02	61.8	1981
1982	9.02 B AT 13:37 CST ON APR 17	7.52 B ON APR 17	0B ON MAR 01	3 480	1982
1983	11.2 AT 07:34 CST ON APR 23	10.7 ON APR 23	0B ON MAR 01	6 950	1983
1984	0.072 AT 23:26 CST ON MAY 10	0.068 ON MAY 10	0B ON MAR 01	65.1	1984
1985	9.68 AT 13:04 CST ON AUG 22	7.30 ON AUG 22	0B ON MAR 01	11 500	1985
1986	4.70 AT 03:44 CST ON MAY 10	4.39 ON MAY 10	0 ON JUN 29	9 210	1986
1987	9.30 B AT 06:00 CST ON APR 07	9.08 B ON APR 07	0B ON MAR 01	8 120	1987
1988	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1988
1989	1.12 B AT 19:36 CST ON APR 02	0.439B ON APR 03	0B ON MAR 01	139	1989
1990	0.014B AT 17:42 CST ON MAR 29	0.011B ON MAR 30	0B ON MAR 01	3.28	1990
				8 590	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GAP CREEK ABOVE JUNCTION RESERVOIR - STATION NO. 05HA072

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.938	0.081	0.011	0.008	0	0.008	0	0	---	---	0.132	1944
1945	---	---	0.099	0.005	0.220	0.037	0.001	0	0	0	---	---	0.046	1945
1946	---	---	0.276	0.043	0.039	0.058	0.109	0.003	0.001	0.003	---	---	0.067	1946
1947	---	---	0.547	0.251	0.060	0.048	0.007	0.001	0	0	---	---	0.114	1947
1948	---	---	0.314	0.573	0.055	0.061	0.013	0.001	0	0	---	---	0.126	1948
1949	---	---	0.021	0.092	0.024	0.023	0.008	0	0	0	---	---	0.021	1949
1950	---	---	0.080	0.131	0.004	0.011	0.063	0.083	0	0.046	---	---	0.052	1950
1951	---	---	0.143	3.16	1.25	0.313	0.073	0.223	0.162	0.062	---	---	0.667	1951
1952	---	---	3.92	8.52	0.506	0.176	0.520	0.251	0.019	0.054	---	---	1.73	1952
1953	---	---	0.156	0.610	1.92	4.75	0.216	0.046	0.067	0.017	---	---	0.962	1953
1954	---	0.083	0.011	0.528	0.522	1.06	0.190	0.079	0.083	0.143	---	---	0.324	1954
1955	---	---	0.929	15.9	2.65	0.221	0.924	0.203	0.095	0.068	---	---	2.59	1955
1956	---	---	0.231	0.133	0.134	0.161	0.079	0.026	0.013	0.009	---	---	0.098	1956
1957	---	---	0.068	0.291	0.190	0.102	0.055	0.051	0.013	0.018	---	---	0.098	1957
1958	---	---	0.251	0.285	0.035	0.014	0.005	0.018	0.008	0.006	---	---	0.077	1958
1959	---	---	0.310	0.115	0.035	0.267	0.025	0.024	0.016	0.017	---	---	0.101	1959
1960	---	---	0.947	0.100	0.564	0.028	0.009	0.081	0.012	0.022	---	---	0.223	1960
1961	---	---	0.060	0.010	0.009	0.003	0	0	0	0.001	---	---	0.010	1961
1962	---	---	0.141	0.052	0.015	0.552	0.034	0.019	0.111	0.027	---	---	0.117	1962
1963	---	---	0.093	0.041	0.034	0.026	0.030	0	0	0.003	---	---	0.028	1963
1964	---	---	0	0.031	0.169	0.052	0.043	0.201	0.003	0.005	---	---	0.063	1964
1965	---	---	0.156	2.77	0.474	1.06	0.603	0.085	0.022	0.016	---	---	0.641	1965
1966	---	---	0.780	1.13	0.618	0.046	0.022	0.110	0.002	0.006	---	---	0.338	1966
1967	---	---	0.736	1.51	8.08	0.158	0.046	0.026	0.118	0.017	---	---	1.35	1967
1968	---	---	0.006	0.032	0.026	0.016	0.001	0.013	0.024	0.015	---	---	0.017	1968
1969	---	---	1.11	0.333	0.159	0.021	0.108	0.010	0.007	0.003	---	---	0.220	1969
1970	---	---	0.090	1.24	1.19	0.237	0.116	0.046	0.001	0.050	---	---	0.370	1970
1971	---	0.820	0.364	0.712	0.094	0.428	0.159	0.032	0.017	0.020	---	---	0.226	1971
1972	---	---	0.453	0.074	0.051	0.214	0.008	0.017	0.002	0.008	---	---	0.103	1972
1973	---	---	0.071	0.157	0.058	0.069	0.009	0.002	0.001	0	---	---	0.045	1973
MEAN	---	0.452	0.443	1.30	0.640	0.341	0.116	0.055	0.027	0.021	---	---	0.365	MEAN

LOCATION - LAT 49 54 08 N DRAINAGE AREA, 562 km²
LONG 109 34 41 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

GAP CREEK ABOVE JUNCTION RESERVOIR - STATION NO. 05HA072

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	5.66 B ON MAR 16	0 B ON MAR 01 *	2 790	1944
1945	---	0.396 ON MAY 17	0 B ON MAR 01	967	1945
1946	1.81 AT 09:30 MST ON MAR 12	1.44 ON MAR 12	0 B ON MAR 01	1 420	1946
1947	3.51B AT 10:00 MST ON MAR 20	2.69 B ON MAR 20	0 B ON MAR 01	2 420	1947
1948	---	2.89 ON APR 17	0 B ON MAR 01	2 670	1948
1949	---	0.351 ON APR 12	0 B ON MAR 01	438	1949
1950	3.45 AT 15:00 MST ON JUL 31	1.95 ON JUL 31	0 B ON MAR 01	1 110	1950
1951	---	13.0 ON APR 27	0 B ON MAR 01	14 100	1951
1952	---	52.4 ON APR 07	0 B ON MAR 01	36 700	1952
1953	---	33.1 E ON JUN 04	0 B ON MAR 01	20 400	1953
1954	9.26 AT 18:30 MST ON JUN 12	7.08 ON JUN 13	0 B ON MAR 01	6 870	1954
1955	89.8 AT 10:00 MST ON APR 10 *	73.9 ON APR 10 *	0 B ON MAR 01	54 800	1955
1956	---	1.08 B ON MAR 23	0 B ON MAR 01	2 080	1956
1957	---	1.64 ON MAY 01	0 B ON MAR 06	2 070	1957
1958	2.49B AT 09:00 MST ON MAR 31	2.38 B ON MAR 31	0 ON MAY 14	1 640	1958
1959	8.61 AT 08:20 MST ON JUN 28	6.00 ON JUN 28	0 B ON MAR 01	2 130	1959
1960	---	7.59 B ON MAR 21	0 B ON MAR 01	4 710	1960
1961	---	0.142B ON MAR 17	0 ON JUN 24	222	1961
1962	24.1 AT 13:00 MST ON JUN 14	9.26 ON JUN 14	0 B ON MAR 01	2 490	1962
1963	---	0.306 ON MAY 13	0 ON JUL 26	603	1963
1964	---	1.80 ON AUG 10	0 B ON MAR 01	1 340	1964
1965	---	14.8 B ON APR 10	0.006 ON OCT 16	13 600	1965
1966	---	3.26 ON APR 12	0 B ON MAR 01	7 160	1966
1967	---	34.5 ON MAY 09	0 ON AUG 12	28 500	1967
1968	---	0.187 ON SEP 25	0 B ON MAR 01	352	1968
1969	---	8.52 B ON MAR 18	0.003B ON MAR 01	4 650	1969
1970	---	4.30 ON MAY 02	0 B ON MAR 01	7 830	1970
1971	---	5.78 ON JUN 07	0 ON OCT 29	4 790	1971
1972	---	3.71 ON JUN 09	0 B ON MAR 01	2 190	1972
1973	---	0.966 ON APR 25	0 B ON MAR 01	962	1973
				7 730	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GAP CREEK AT SMALL'S RANCH - STATION NO. 05HA009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	1.47	1.86	0.202	0.020	0	0.001	---	---	---	1909
1910	---	---	---	0.015	0.004	0	0	0	0	0	---	---	---	1910
1911	---	---	---	1.09	0.349	0.124	0.192	0.022	1.28	0.124	---	---	---	1911
1912	---	---	---	---	0.434	0.082	0	0.003	0	0.002	---	---	---	1912
1913	---	---	---	---	0.097	0.020	0.017	0	0	0	---	---	---	1913
1914	---	---	---	1.20	0.104	0.001	0	0	0.047	0.603	---	---	---	1914
1915	---	---	---	2.01	0.252	2.05	0.564	0.141	0.002	0.039	---	---	---	1915
1916	---	---	---	0.381	1.42	2.05	0.494	0.081	0.010	0.137	---	---	---	1916
MEAN	---	---	---	0.939	0.516	0.773	0.184	0.033	0.167	0.113	---	---	---	MEAN

LOCATION - LAT 49 47 28 N DRAINAGE AREA, 404 km²
LONG 109 35 36 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1910 AND 1914

GAP CREEK AT SMALL'S RANCH - STATION NO. 05HA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	0 ON AUG 28 *	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	0 ON JUN 25	---	1912
1913	---	---	0 ON JUN 24	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEAN --- MEAN

GAP CREEK BELOW DOWNIE LAKE DIVERSION - STATION NO. 05HA069

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.941	0	0	0	0	0	0	0	---	---	0.119	1944
1945	---	---	0	0	0	0	0	0	0	0	---	---	0	1945
1946	---	---	0	0	0	0	0	0	0	0	---	---	0	1946
1947	---	---	0.067	0	0	0	0	0	0	0	---	---	0.008	1947
1948	---	---	0	0	0	0	0	0	0	0	---	---	0	1948
1949	---	---	0	0	0	0	0	0	0	0	---	---	0	1949
1950	---	---	0	0.021	0.001	0.001	0	0	0	0	---	---	0.003	1950
1951	---	---	0.302	1.99	0.522	0.372	0.029	0.340	0.459	0.028	---	---	0.500	1951
1952	---	---	1.46	5.85	0.272	0.001	0	0	0	0	---	---	0.936	1952
1953	---	---	0.002	0.596	1.27	1.67	0.017	0.001	0	0	---	---	0.441	1953
1954	---	---	0	0.058	0.342	0.353	0.006	0.017	0.283	0.141	---	---	0.149	1954
1955	---	---	0.231	6.99	1.86	0.065	0.410	0.002	0.001	0.011	---	---	1.18	1955
1956	---	---	0.016	0.050	0.051	0.027	0.027	0	0	0.004	---	---	0.022	1956
1957	---	---	0.031	0.037	0.058	0.028	0	0	0	0	---	---	0.019	1957
1958	---	---	0.031	0.029	0.031	0.002	0	0	0	0	---	---	0.012	1958
1959	---	---	0.036	0.012	0.031	0.094	0.014	0	0	0	---	---	0.023	1959
1960	---	---	0.079	0.066	0.492	0.020	0	0	0	0	---	---	0.083	1960
1961	---	---	0.015	0	0	0	0	0	0	0	---	---	0.002	1961
1962	---	---	0.022	0.015	0.014	0.097	0	0	0	0	---	---	0.018	1962
1963	---	---	0.017	0.052	0.007	0.010	0.005	0	0	0	---	---	0.011	1963
1964	---	---	0.013	0.033	0.018	0.015	0.001	0	0	0	---	---	0.010	1964
1965	---	---	0.021	1.14	0.289	0.203	0.080	0	0.045	0.020	---	---	0.222	1965
1966	---	---	0.290	0.730	0.476	0.034	0.003	0.010	0	0	---	---	0.192	1966
1967	---	---	0.189	0.902	4.03	0.102	0.004	0	0	0	---	---	0.656	1967
1968	---	---	0.042	0.017	0.068	0.056	0.008	0	0.003	0.013	---	---	0.026	1968
1969	---	---	0.168	0.085	0.042	0.014	0.076	0	0	0	---	---	0.048	1969
1970	---	---	0.016	0.660	0.808	0.322	0.071	0.001	0	0	---	---	0.234	1970
1971	---	0.248	0.038	0.604	0.205	0.460	0.007	0	0	0	---	---	0.162	1971
1972	---	---	0.127	0.033	0.018	0	0	0	0	0	---	---	0.022	1972
1973	---	---	0.005	0.101	0.143	0.033	0	0	0	0	---	---	0.035	1973
1974	---	---	0.012	0.017	0.213	0.158	0	0	0	0	---	---	0.050	1974
1975	---	---	0.001	0.199	2.46	0.411	0.008	0	0	0.003	---	---	0.387	1975
1976	---	---	0.049	0.034	0.012	0.134	0.006	0	0	0	---	---	0.029	1976
1977	---	0.007	0.007	0.005	0.010	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.015	0.087	0.004	0.006	0	0	0.017	0.001	---	---	0.016	1978
1979	---	---	0.142	0.727	0.826	0.009	0.001	0	0	0	---	---	0.213	1979
1980	---	---	0.001	0.008	0.002	0	0	0	0	0	---	---	0.001	1980
1981	---	0.002	0.003	0.006	0.005	0.086	0	0	0	0	---	---	0.012	1981
1982	---	---	0.002	0.033	0.130	0.731	0.001	0	0	0	---	---	0.110	1982
1983	---	---	0.002	0.057	0.387	0.014	0.221	0	0	0	---	---	0.086	1983
1984	---	---	0.045	0.014	0.010	0.003	0	0	0	0	---	---	0.009	1984
1985	---	---	0.008	0.040	0.119	0.018	0	0	0	0	---	---	0.023	1985
1986	0.035	0.212	0.005	0.014	0.059	0.001	0	0	1.07	0.139	---	---	0.159	1986
1987	---	0.223	0.019	0.355	0.015	0.002	0	0	0	0	---	---	0.048	1987
1988	---	0.020	0.004	0.006	0.002	0	0	0	0	0	---	---	0.002	1988
1989	---	---	0.037	0.008	0.004	0.007	0	0	0	0	---	---	0.007	1989
1990	---	0.009	0.088	0.040	0.043	0.007	0	0	0	0	---	---	0.022	1990
MEAN	0.035	0.103	0.098	0.462	0.327	0.118	0.021	0.008	0.040	0.008	---	---	0.134	MEAN

LOCATION - LAT 49 46 13 N DRAINAGE AREA, 235 km²
LONG 109 38 15 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

GAP CREEK BELOW DOMNIE LAKE DIVERSION - STATION NO. 05HA069

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	16.2 ON MAR 17	0 ON MAR 01 *	2 520	1944
1945	---	0 ON MAR 01	0 ON MAR 01	0	1945
1946	---	0 ON MAR 01	0 ON MAR 01	0	1946
1947	---	2.07 E ON MAR 22	0 ON MAR 01	179	1947
1948	---	0 ON MAR 01	0 ON MAR 01	0	1948
1949	---	0 ON MAR 01	0 ON MAR 01	0	1949
1950	---	0.501E ON APR 15	0B ON MAR 01	61.2	1950
1951	---	7.65 ON APR 28	0B ON MAR 01	10 600	1951
1952	45.0 AT 21:00 MST ON APR 06	33.4 ON APR 06	0B ON MAR 01	19 800	1952
1953	14.0 AT 14:30 MST ON JUN 03	12.3 ON JUN 03	0B ON MAR 01	9 330	1953
1954	5.64 AT 09:00 MST ON JUN 11	5.07 ON JUN 11	0B ON MAR 01	3 150	1954
1955	53.0 E ON APR 09 *	45.3 E ON APR 09 *	0B ON MAR 01	25 000	1955
1956	0.176 AT 12:00 MST ON JUL 04	0.170B ON MAR 30	0B ON MAR 01	471	1956
1957	0.224 AT 07:00 MST ON JUN 15	0.198 ON APR 30	0 ON MAY 17	410	1957
1958	0.340B AT 02:30 MST ON APR 04	0.099 ON MAY 14	0 ON MAY 29	247	1958
1959	7.99 AT 20:00 MST ON JUN 27	2.14 ON JUN 27	0B ON MAR 04	492	1959
1960	4.76 AT 22:00 MST ON MAY 01	3.23 ON MAY 02	0B ON MAR 01	1 750	1960
1961	0.263B AT 09:00 ON MAR 15	0.113B ON MAR 14	0B ON MAR 02	39.2	1961
1962	11.5 AT 10:05 ON JUN 14	2.49 ON JUN 14	0 ON MAR 01	385	1962
1963	---	0.144 ON APR 10	0 ON JUN 01	241	1963
1964	0.323 AT 10:00 MST ON JUN 14	0.153A ON MAR 23	0 ON MAR 01	210	1964
1965	15.2 AT 01:00 MST ON APR 14	5.18 ON APR 13	0B ON MAR 12	4 690	1965
1966	3.79 AT 07:00 MST ON MAY 03	2.81 ON MAY 04	0B ON MAR 01	4 070	1966
1967	19.9 AT 23:45 ON MAY 07	17.8 ON MAY 07	0B ON MAR 07	13 900	1967
1968	0.294 AT 02:47 ON JUN 01	0.252 ON JUN 01	0 ON JUL 28	547	1968
1969	0.875 AT 19:43 MST ON JUL 04	0.612 ON JUL 08	0B ON MAR 01	1 020	1969
1970	17.7 AT 22:13 MST ON APR 06	7.79 ON APR 07	0 ON AUG 11	4 950	1970
1971	6.43 AT 04:51 CST ON JUN 07	4.04 ON JUN 07	0 ON MAY 30	3 430	1971
1972	5.66 AT 04:54 CST ON MAR 17	1.22 ON MAR 17	0B ON MAR 01	475	1972
1973	0.275 AT 08:59 CST ON APR 28	0.261 ON MAY 11	0 ON JUN 10	743	1973
1974	0.623 AT 15:12 CST ON MAY 21	0.547 ON MAY 22	0B ON MAR 01	1 060	1974
1975	28.3 AT 20:55 CST ON MAY 06	19.7 ON MAY 07	0B ON MAR 01	8 200	1975
1976	1.88 B AT 09:36 CST ON MAR 18	0.830B ON MAR 18	0B ON MAR 01	616	1976
1977	0.119 AT 03:35 CST ON MAY 20	0.093 ON MAY 20	0 ON MAR 17	56.0	1977
1978	0.436 AT 13:39 CST ON APR 06	0.422 ON APR 06	0B ON MAR 01	336	1978
1979	11.1 AT 02:26 CST ON APR 18	5.68 ON APR 18	0B ON MAR 01	4 500	1979
1980	0.017 AT 05:13 CST ON APR 20	0.016 ON APR 19	0B ON MAR 01	27.4	1980
1981	4.81 AT 20:34 CST ON JUN 14	1.90 R ON JUN 14	0B ON JUN 06	261	1981
1982	11.0 AT 01:06 CST ON JUN 04	7.09 ON JUN 03	0B ON MAR 01	2 340	1982
1983	8.15 AT 01:30 CST ON JUL 11	3.93 ON JUL 11	0B ON MAR 01	1 820	1983
1984	0.279 AT 10:31 CST ON MAR 25	0.159 ON MAR 24	0 ON JUN 17	193	1984
1985	0.732 AT 07:56 CST ON APR 02	0.441 ON MAY 14	0 ON MAR 01	* 490	1985
1986	30.8 AT 17:00 CST ON SEP 25	13.8 ON SEP 26	0 ON JUN 12	3 360	1986
1987	3.34 B AT 11:40 CST ON APR 05	2.02 ON APR 06	0 ON MAY 21	1 020	1987
1988	0.174 AT 17:25 CST ON APR 25	0.038 ON APR 25	0 ON MAY 18	35.2	1988
1989	0.212 AT 10:36 CST ON MAR 27	0.137B ON MAR 30	0B ON MAR 01	149	1989
1990	0.362B AT 11:38 CST ON MAR 06	0.299B ON MAR 06	0 ON JUN 22	474	1990
				2 840	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

GAP CREEK NEAR MAPLE CREEK - STATION NO. 05HA012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0	0	---	---	---	---	---	---	1910
1911	---	---	---	2.96	0.401	0.140	0.849	0	---	---	---	---	---	1911
1912	---	---	---	---	0.443	0.154	0.005	0.004	0	0	---	---	---	1912
1913	---	---	---	2.31	0.146	0.006	0.004	0	0	0	---	---	---	1913
1914	---	---	---	1.51	0.116	0.001	0	0	0.036	0.120	---	---	---	1914
1915	---	---	---	8.35	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	3.78	0.277	0.060	0.172	0.001	0.012	0.040	---	---	---	MEAN

LOCATION - LAT 49 56 29 N DRAINAGE AREA, 712 km^2
LONG 109 31 49 W NATURAL FLOW

GAP CREEK NEAR MAPLE CREEK - STATION NO. 05HA012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUN 01 *	---	1910
1911	---	---	0 ON JUN 18	---	1911
1912	---	---	0 ON JUN 27	---	1912
1913	---	---	0 ON AUG 03	---	1913
1914	---	---	0E ON MAY 24	---	1914
1915	---	33.1 ON APR 03 *	---	---	1915
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GARDEN RIVER NEAR HENRIBOURG - STATION NO. 05GG010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.546	0.172	0.009	0.003	---	---	---	1966
1967	---	---	0.006	0.206	0.555	0.025	0.004	0.009	0	0	---	---	0.101	1967
1968	---	---	0.427	0.797	0.152	0.091	0	0	0.527	0.371	---	---	0.294	1968
1969	---	---	0	4.54	0.188	0.002	0	0	0	0.409	---	---	0.631	1969
1970	---	---	0	7.55	1.78	0.077	3.20	0.240	0.004	0.020	---	---	1.60	1970
1971	---	---	0	3.35	0.270	0.008	0.737	0.171	0	0	---	---	0.560	1971
1972	---	---	0	8.12	3.84	0.663	0.099	0.071	0.001	0	---	---	1.58	1972
1973	---	---	0.001	1.80	4.21	7.05	6.45	0.684	0.213	0.252	---	---	2.20	1973
1974	---	---	0.015	10.9	7.43	4.33	5.14	1.74	0.726	0.563	---	---	3.84	1974
1975	---	---	0	4.94	5.55	2.69	0.828	0.002	0.009	0.008	---	---	1.74	1975
1976	---	---	0	0.365	0.003	0	0	0	0	0	---	---	0.045	1976
1977	---	---	0	0.006	0.014	0.018	0.001	0	0	0.011	---	---	0.006	1977
1978	---	---	0	2.75	0.591	0.472	0.046	0	0.039	0.149	---	---	0.498	1978
1979	---	---	0	9.56	4.28	0.990	0.119	0.001	0.096	0.101	---	---	1.87	1979
1980	---	---	0	2.24	0.027	0	0	0	0.025	0.228	---	---	0.310	1980
1981	---	---	0.087	1.17	0.314	0.041	0	0	0	0	---	---	0.199	1981
1982	---	---	0	1.45	0.216	0	0	0	0.014	0.091	---	---	0.218	1982
1983	---	---	0	4.26	1.49	0.069	0.167	0.006	0	0	---	---	0.741	1983
1984	---	---	0.014	3.44	1.95	2.85	0.142	0	0	0.051	---	---	1.04	1984
1985	---	---	0.011	15.5	4.99	0.670	0.171	0.015	0	0.043	---	---	2.64	1985
1986	---	---	0.105	2.45	0.763	0.040	0	0	0	0	---	---	0.415	1986
1987	---	---	0	0.391	0.030	0	0.005	0.299	0.042	0.061	---	---	0.103	1987
1988	---	---	0.002	2.74	0.221	0	0	0	0	0	---	---	0.364	1988
1989	---	---	0	0.007	0.001	0	0	0	0	0	---	---	0.001	1989
1990	---	---	0.002	0.251	0.574	0.004	0	0.001	0	0	---	---	0.104	1990
MEAN	---	---	0.028	3.70	1.52	0.837	0.706	0.136	0.068	0.094	---	---	0.879	MEAN

LOCATION - LAT 53 23 38 N DRAINAGE AREA, 903 km²
LONG 105 36 39 W NATURAL FLOW

GARDEN RIVER NEAR HENRIBOURG - STATION NO. 05GG010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	0 ON SEP 14 *	---	1966
1967	3.23 B AT 09:00 CST ON APR 30	2.07 B ON APR 30	0 ON JUN 05	2 140	1967
1968	4.05 B AT 10:00 CST ON MAR 30	3.45 B ON MAR 31	0 B ON MAR 14	6 210	1968
1969	21.1 B AT 01:00 CST ON APR 13	19.8 B ON APR 13	0 B ON MAR 01	13 400	1969
1970	20.2 AT 04:00 CST ON APR 19	19.9 ON APR 19	0 B ON MAR 01	33 800	1970
1971	15.3 AT 08:24 CST ON APR 17	15.1 ON APR 17	0 B ON MAR 01	11 900	1971
1972	39.9 AT 21:08 CST ON APR 24	36.8 ON APR 24	0 B ON MAR 01	33 500	1972
1973	20.8 AT 15:40 CST ON JUL 06	18.9 ON JUL 06	0 B ON MAR 01	46 500	1973
1974	52.7 AT 13:41 CST ON APR 21	51.0 ON APR 21 *	0.014B ON MAR 01	81 400	1974
1975	16.4 AT 02:50 CST ON MAY 02	16.1 ON MAY 01	0 B ON MAR 01	36 900	1975
1976	3.03 AT 07:31 CST ON APR 11	1.53 ON APR 07	0 B ON MAR 01	955	1976
1977	---	0.156 ON JUN 01	0 B ON MAR 01	133	1977
1978	8.67 AT 19:09 CST ON APR 22	7.96 ON APR 22	0 B ON MAR 01	10 500	1978
1979	45.0 AT 21:30 CST ON APR 23	40.9 B ON APR 23	0 B ON MAR 01	39 600	1979
1980	11.4 AT 15:57 CST ON APR 16	11.0 ON APR 16	0 B ON MAR 01	6 550	1980
1981	2.07 B AT 10:54 CST ON APR 07	1.83 B ON APR 06	0 B ON MAR 01	4 210	1981
1982	6.03 AT 14:01 CST ON APR 23	5.95 ON APR 23	0 B ON MAR 01	4 620	1982
1983	21.1 AT 23:01 CST ON APR 23	20.1 ON APR 24	0 B ON MAR 01	15 700	1983
1984	13.1 AT 12:17 CST ON APR 10	12.9 ON APR 10	0 B ON MAR 01	22 100	1984
1985	53.8 AT 07:21 CST ON APR 22 *	50.9 ON APR 22	0 B ON MAR 14	55 800	1985
1986	6.45 B AT 05:23 CST ON APR 09	7.74 B ON APR 09	0 B ON MAR 01	8 790	1986
1987	2.29 AT 12:01 CST ON APR 10	1.68 ON APR 10	0 B ON MAR 01	2 180	1987
1988	12.0 AT 05:59 CST ON APR 15	11.8 ON APR 15	0 B ON MAR 01	7 700	1988
1989	0.274 AT 14:07 CST ON APR 09	0.060 ON APR 09	0 B ON MAR 01	21.7	1989
1990	0.982 AT 13:48 CST ON MAY 11	0.896 ON MAY 11	0 B ON MAR 01	2 210	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 600	MEAN

GEIKIE RIVER BELOW WHEELER RIVER - STATION NO. 06DA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	44.1	36.8	31.0	28.0	25.3	---	1966
1967	23.6	22.5	21.7	31.7	107	75.1	66.8	56.3	39.1	32.6	31.3	27.6	44.8	1967
1968	19.2	17.5	17.6	23.7	52.7	44.8	42.2	27.8	29.5	51.9	44.1	32.9	33.7	1968
1969	29.9	28.8	26.9	46.4	80.2	44.0	32.8	27.4	23.7	32.1	31.0	27.2	34.2	1969
1970	25.0	23.7	22.6	22.7	50.7	42.4	41.3	40.5	44.9	43.0	41.1	31.0	35.8	1970
1971	26.6	25.3	23.9	36.1	53.9	40.1	60.7	50.0	52.7	60.2	48.2	42.5	43.5	1971
1972	38.9	37.9	37.1	35.2	82.2	54.5	48.4	39.1	34.0	46.3	40.9	32.4	44.0	1972
1973	35.1	32.5	31.0	37.2	54.3	63.9	77.2	59.2	43.7	38.2	36.8	35.1	45.5	1973
1974	33.8	32.8	32.3	43.8	57.2	48.0	61.2	64.2	63.5	55.7	49.9	47.3	49.2	1974
1975	42.7	38.7	36.2	42.7	80.3	70.5	101	79.6	59.1	55.0	48.3	38.7	58.0	1975
1976	36.6	38.8	42.5	54.6	52.8	43.1	88.5	117	120	97.8	76.8	55.0	68.7	1976
1977	41.4	49.0	47.7	89.1	98.6	119	109	85.6	79.9	69.2	55.7	44.0	74.2	1977
1978	36.5	42.2	41.9	37.3	104	92.8	68.3	78.3	90.2	93.1	71.1	56.5	67.8	1978
1979	52.8	54.4	53.7	45.5	98.4	91.1	72.3	68.5	64.5	69.8	63.2	47.9	65.3	1979
1980	44.3	44.6	44.8	60.6	55.9	36.9	34.3	40.0	41.6	55.2	46.3	33.4	44.8	1980
1981	30.0	30.2	32.8	35.4	82.3	58.2	38.0	24.7	19.5	19.3	20.9	19.3	35.1	1981
1982	10.3	5.56	5.52	11.8	74.9	77.7	60.9	65.3	54.4	43.1	33.5	32.5	39.8	1982
1983	31.5	30.1	29.8	42.3	58.7	81.9	55.9	49.8	64.1	61.6	52.2	37.6	49.7	1983
1984	31.9	31.4	33.9	68.3	68.6	59.6	42.8	34.1	26.8	30.8	32.6	29.6	40.8	1984
1985	24.8	24.3	27.1	32.4	112	69.5	60.5	44.4	51.3	43.3	36.0	26.5	46.2	1985
1986	24.9	25.3	25.5	35.8	97.0	76.9	72.7	62.2	46.6	43.9	33.3	29.6	48.0	1986
1987	29.6	29.4	30.7	44.3	60.6	43.0	27.1	19.4	20.7	20.1	19.3	19.5	30.3	1987
1988	17.1	17.8	19.1	21.7	71.5	63.3	59.2	49.2	49.3	45.0	43.8	40.7	41.6	1988
1989	38.2	36.3	35.5	31.7	98.7	80.6	70.3	43.9	39.0	36.5	32.1	30 3	47.9	1989
1990	28.5	27.7	29.3	35.1	58.9	56.6	56.2	41.9	36.0	36.4	36.6	34.4	39.9	1990
MEAN	31.4	31.1	31.2	40.2	75.1	63.9	60.3	52.5	49.2	48.4	42.1	35.1	47.0	MEAN

LOCATION - LAT 57 35 20 N LONG 104 12 10 W

DRAINAGE AREA, 7 730 km²
NATURAL FLOW

GEIKIE RIVER BELOW WHEELER RIVER - STATION NO. 06DA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	119 E ON MAY 10	21.0 B ON APR 07	1 410 000	1967
1968	74.8 AT 22:00 CST ON APR 24	57.5 ON MAY 11	16.8 B ON MAR 13	1 070 000	1968
1969	---	74.8 ON APR 25	22.1 E ON OCT 06	1 080 000	1969
1970	---	58.0E ON MAY 16	21.5 B ON APR 19	1 130 000	1970
1971	73.3 AT 18:42 CST ON JUL 13	72.8 ON JUL 13	22.7 B ON APR 15	1 370 000	1971
1972	108 AT 19:07 CST ON MAY 04	107 ON MAY 04	28.6 ON DEC 08	1 390 000	1972
1973	90.6 AT 16:11 CST ON JUL 14	89.8 ON JUL 15	30.3 ON MAR 29	1 430 000	1973
1974	76.2 AT 00:44 CST ON APR 30	76.2 ON APR 30	31.7 B ON APR 02	1 550 000	1974
1975	123 AT 06:48 CST ON JUL 04	122 ON JUL 03	35.1 B ON APR 05	1 830 000	1975
1976	157 AT 23:48 CST ON JUL 31 *	157 ON JUL 31	34.8 ON APR 02	2 170 000	1976
1977	128 AT 23:05 CST ON JUN 09	128 ON JUN 11	37.9 B ON JAN 11	2 340 000	1977
1978	---	127 A ON MAY 08	33.7 B ON JAN 09	2 140 000	1978
1979	---	159 E ON MAY 28 *	38.9 ON APR 18	2 060 000	1979
1980	91.3 AT 12:48 CST ON APR 24	90.8 ON APR 24	29.5 ON JUL 11	1 420 000	1980
1981	112 AT 11:30 CST ON MAY 12	112 ON MAY 13	16.4 B ON DEC 31	1 110 000	1981
1982	89.4 AT 23:21 CST ON JUN 12	88.9 ON JUN 12	4.94B ON MAR 03 *	1 260 000	1982
1983	96.4 AT 16:42 CST ON JUN 16	95.7 ON JUN 16	26.1 B ON APR 05	1 570 000	1983
1984	110 AT 13:14 CST ON APR 22	116 ON APR 22	25.1 ON SEP 08	1 290 000	1984
1985	136 AT 09:09 CST ON MAY 08	136 ON MAY 08	23.5 B ON FEB 14	1 460 000	1985
1986	125 AT 14:31 CST ON MAY 23	124 ON MAY 22	24.1 B ON FEB 09	1 510 000	1986
1987	71.2 AT 11:21 CST ON APR 30	70.2 ON APR 29	16.2 ON NOV 23	955 000	1987
1988	94.9 AT 21:03 CST ON MAY 09	94.4 ON MAY 09	15.5 ON JAN 18	1 310 000	1988
1989	126 AT 02:09 CST ON MAY 13	126 ON MAY 13	25.6 ON NOV 18	1 510 000	1989
1990	64.6 AT 14:32 CST ON MAY 23	64.4 ON MAY 23	25.1 B ON FEB 13	1 260 000	1990
				1 480 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GIBSON CREEK NEAR RADVILLE - STATION NO. 05NA005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0	0	0	0.124	0.017	0	0	0	---	---	0.017	1959
1960	---	---	1.25	0.191	0.001	0	0	0	0	0	---	---	0.182	1960
1961	---	---	0.004	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.586	0.126	0.001	0.002	0	0	0	0	---	---	0.090	1962
1963	---	---	0.204	0.053	0.004	0.045	0.024	0	0	0	---	---	0.041	1963
1964	---	---	0	0.277	0.013	0	0	0	0	0	---	---	0.036	1964
1965	---	---	0	1.55	0.778	0.357	0.004	0	0.033	0.001	---	---	0.336	1965
1966	---	---	0.333	0.028	0.029	0	0	0.007	0	0	---	---	0.050	1966
1967	---	---	0.578	1.31	0.492	0.013	0	0	0	0	---	---	0.298	1967
1968	---	---	0.071	0	0	0	0	0.257	0.007	0	---	---	0.042	1968
1969	---	---	0	4.05	0.161	0.002	0.007	0.001	0	0	---	---	0.517	1969
1970	---	---	0.009	1.16	1.72	0.096	0	0	0	0	---	---	0.373	1970
1971	---	---	0.362	1.44	0.010	0.329	0.167	0	0	0	---	---	0.285	1971
1972	---	---	2.00	0.202	0.017	0.337	0.001	0	0	0	---	---	0.321	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	3.83	0.523	0.052	0	0	0	0	---	---	0.541	1974
1975	---	---	0	4.24	0.491	0.042	0.098	0	0	0	---	---	0.599	1975
1976	---	---	4.12	2.62	0.043	1.72	0.030	0.002	0	0	---	---	1.06	1976
1977	---	---	0	0.002	0.011	0	0.004	0.012	0.002	0.001	---	---	0.004	1977
1978	---	---	2.53	0.355	0.022	0.440	5.24	0.022	0.322	0.031	---	---	1.13	1978
1979	---	---	0.545	5.16	1.96	0.435	0.012	0	0	0	---	---	1.00	1979
1980	---	---	0.031	0.050	0	0	0	0	0	0	---	---	0.010	1980
1981	---	0.058	0.011	0	0	0.015	0	0	0	0	---	---	0.003	1981
1982	---	---	0	4.05	0.059	0.017	0.486	0.001	0	0	---	---	0.568	1982
1983	---	---	0.103	3.05	0.081	0.003	0	0	0	0	---	---	0.397	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.161	0.001	0	0	0	0	0	0	---	---	0.020	1985
1986	---	0.175	0.675	0	0.026	0	0	0	0	0	---	---	0.089	1986
1987	---	---	0.104	0.389	0	0	0	0	0	0	---	---	0.061	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.106	0.418	0	0	0	0	0	0	---	---	0.065	1989
1990	---	---	0	0.187	0	0	0.384	0.029	0	0	---	---	0.075	1990
MEAN	---	0.117	0.431	1.09	0.201	0.126	0.202	0.010	0.011	0.001	---	---	0.257	MEAN

LOCATION - LAT 49 29 02 N LONG 104 20 11 W DRAINAGE AREA, 528 km² REGULATED

GIBSON CREEK NEAR RADVILLE - STATION NO. 05NA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	---	2.61 ON JUN 28	0 ON MAR 01 *	369	1959
1960	---	15.2 ON MAR 27	0B ON MAR 01	3 850	1960
1961	---	0.031B ON MAR 15	0B ON MAR 01	10.0	1961
1962	6.85 AT 07:30 CST ON MAR 27	5.78 ON MAR 26	0B ON MAR 01	1 900	1962
1963	1.71 B AT 15:30 CST ON MAR 22	1.49 B ON MAR 23	0B ON MAR 01	875	1963
1964	1.72 A AT 13:15 CST ON APR 04	1.40 A ON APR 04	0 ON MAR 01	752	1964
1965	19.1 AT 14:30 CST ON APR 13	16.2 ON APR 13	0B ON MAR 01	7 120	1965
1966	2.22 A AT 10:00 CST ON MAR 16	2.10 A ON MAR 16	0B ON MAR 01	1 060	1966
1967	13.6 B AT 19:30 CST ON APR 08	6.26 B ON APR 06	0B ON MAR 01	6 310	1967
1968	5.44 AT 01:00 CST ON AUG 22	2.34 ON AUG 22	0B ON MAR 29	898	1968
1969	---	26.7 B ON APR 06	0B ON MAR 01	10 900	1969
1970	20.8 AT 08:12 CST ON MAY 03	16.5 ON MAY 03	0B ON MAR 01	7 890	1970
1971	10.1 B AT 02:06 CST ON APR 01	7.96 B ON APR 01	0B ON MAR 01	6 040	1971
1972	15.4 AT 12:14 CST ON MAR 16	13.7 ON MAR 17	0B ON MAR 01	6 790	1972
1973	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1973
1974	24.4 AT 14:36 CST ON APR 14	16.8 ON APR 14	0B ON MAR 01	11 500	1974
1975	30.6 B AT 13:00 CST ON APR 22	26.4 B ON APR 22	0B ON MAR 01	12 700	1975
1976	29.4 AT 09:54 CST ON APR 01	25.7 ON APR 01	0B ON MAR 01	22 500	1976
1977	0.326 AT 20:11 CST ON JUL 29	0.099 ON MAY 19	0B ON MAR 01	86.3	1977
1978	80.7 AT 18:28 CST ON JUL 08 *	56.4 ON JUL 08 *	0B ON MAR 01	23 900	1978
1979	40.1 B AT 17:08 CST ON APR 18	28.7 B ON APR 18	0B ON MAR 01	21 300	1979
1980	0.613B AT 01:38 CST ON MAR 31	0.439B ON MAR 31	0B ON MAR 01	211	1980
1981	1.01 AT 14:40 CST ON JUN 15	0.306 ON JUN 14	0 ON MAR 16	67.0	1981
1982	26.4 B AT 03:29 CST ON APR 15	19.7 B ON APR 15	0B ON MAR 01	12 000	1982
1983	14.1 AT 14:48 CST ON APR 11	11.7 ON APR 11	0B ON MAR 01	8 410	1983
1984	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1984
1985	3.42 B ON MAR 15	0.800B ON MAR 15	0B ON MAR 01	434	1985
1986	6.71 B AT 13:57 CST ON FEB 27	2.92 B ON MAR 02	0 ON MAR 31	1 880	1986
1987	5.19 B AT 17:34 CST ON APR 01	3.49 B ON APR 01	0B ON MAR 01	1 290	1987
1988	---	0 ON MAR 01	0 ON MAR 01	0	1988
1989	4.75 B AT 19:58 CST ON APR 02	3.64 B ON APR 02	0B ON MAR 01	1 370	1989
1990	5.67 AT 03:34 CST ON JUL 03	2.68 ON JUL 03	0B ON MAR 01	1 590	1990
				5 440	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GILCHRIST BROS. DAVIS CREEK DITCH NEAR VIDORA - STATION NO. 11AC050

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1927
1928	---	---	---	---	---	---	---	---	---	---	---	---	---	1928
MEAN	---	---	0	0	0	0.001	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 30 20 N
LONG 109 20 12 W
REGULATED

GILCHRIST BROS. DAVIS CREEK DITCH NEAR VIDORA - STATION NO. 11AC050

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	0.011E ON JUN 25 *	0 ON MAR 01 *	3.80	1927
1928	---	---	0 ON MAR 30	---	1928
				3.80	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GILCHRIST BROS. DITCH NEAR CONSUL - STATION NO. 11AB025

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	0	0	0.012	0.029	0	0	0.026	0.010	---	---	0.009	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
MEAN	---	---	0	0	0.001	0.002	0	0	0.002	0.001	---	---	0.001	MEAN

LOCATION - LAT 49 21 50 N
LONG 109 32 35 W
REGULATED

GILCHRIST BROS. DITCH NEAR CONSUL - STATION NO. 11AB025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	0.142 ON JUN 18 *	0 ON MAR 01 *	200	1914
1915	---	0 ON MAR 01	0 ON MAR 01	0	1915
1916	---	0 ON MAR 01	0 ON MAR 01	0	1916
1917	---	0 ON MAR 01	0 ON MAR 01	0	1917
1918	---	0 ON MAR 01	0 ON MAR 01	0	1918
1919	---	0 ON MAR 01	0 ON MAR 01	0	1919
1920	---	0 ON MAR 01	0 ON MAR 01	0	1920
1921	---	0 ON MAR 01	0 ON MAR 01	0	1921
1922	---	0 ON MAR 01	0 ON MAR 01	0	1922
1923	---	0 ON MAR 01	0 ON MAR 01	0	1923
1924	---	0 ON MAR 01	0 ON MAR 01	0	1924
1925	---	0 ON MAR 01	0 ON MAR 01	0	1925
1926	---	0 ON MAR 01	0 ON MAR 01	0	1926
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
				12.5	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GIRARD CREEK NEAR CORONACH - STATION NO. 11AE015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.216	0.125	0.084	0.080	0.078	0.087	0.084	0.097	---	---	0.106	1980
1981	---	---	0.140	0.117	0.120	0.144	0.161	0.092	0.109	0.112	---	---	0.126	1981
1982	---	---	0.136	4.74	0.231	0.171	---	---	0.088	0.144	---	---	---	1982
1983	---	---	0.170	0.156	0.138	0.127	0.111	0.109	0.097	0.103	---	---	0.127	1983
1984	---	0.166	0.327	0.140	0.126	0.221	0.123	0.119	0.139	0.137	---	---	0.167	1984
1985	---	0.252	0.371	0.170	0.117	0.122	0.125	0.120	0.132	0.130	---	---	0.161	1985
1986	---	1.20	0.708	0.117	0.133	0.103	0.107	0.104	0.075	0.078	---	---	0.179	1986
1987	---	0.229	0.156	0.160	0.083	0.082	0.070	0.092	0.098	0.101	---	---	0.105	1987
1988	---	---	0.097	0.105	0.083	0.062	0.065	0.059	0.075	0.067	---	---	0.077	1988
1989	---	---	0.509	0.115	0.053	0.039	0.027	0.014	0.040	0.054	---	---	0.107	1989
1990	---	---	0.035	0.058	0.053	0.049	0.337	0.073	0.070	0.091	---	---	0.096	1990
MEAN	---	0.462	0.262	0.546	0.111	0.109	0.120	0.087	0.092	0.101	---	---	0.125	MEAN

LOCATION - LAT 49 06 45 N
LONG 105 33 52 W
DRAINAGE AREA, 880 km²
REGULATED

GIRARD CREEK NEAR CORONACH - STATION NO. 11AE015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	1.30 AT 04:49 CST ON MAR 30	0.940 ON MAR 30	0.060B ON MAR 01	2 250	1980
1981	---	0.268 ON JUL 14	0.064 ON AUG 24	2 660	1981
1982	49.0 B AT 01:05 CST ON APR 14 *	42.4 B ON APR 14 *	---	---	1982
1983	0.415 AT 05:56 CST ON FEB 28	0.299 ON MAR 01	0.088 ON SEP 12	2 700	1983
1984	6.60 AT 03:34 CST ON JUN 21	2.18 ON JUN 21	0.069 ON AUG 19	3 520	1984
1985	1.80 AT 21:37 CST ON FEB 25	0.958 ON MAR 15	0.060 ON JUL 11	3 410	1985
1986	18.5 B AT 19:26 CST ON FEB 26	3.88 ON MAR 01	0.022 ON SEP 02	3 790	1986
1987	1.26 AT 13:16 CST ON APR 01	0.790 ON APR 01	0.046 ON JUL 15	2 220	1987
1988	0.664 AT 16:44 CST ON MAY 24	0.119 ON MAR 09	0.019 ON OCT 23	1 620	1988
1989	12.3 B AT 20:41 CST ON MAR 10	3.37 B ON MAR 10	0.001 ON AUG 12 *	2 260	1989
1990	7.52 AT 06:28 CST ON JUL 02	4.03 ON JUL 02	0.019 ON SEP 26	2 040	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 650	MEAN

GOOSEHUNTING CREEK NEAR BEATTY - STATION NO. 05KA009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	2.17	0.076	---	---	---	---	---	---	---	---	1958
1960	---	---	---	6.11	0.400	---	---	---	---	---	---	---	---	1960
1962	---	---	---	2.38	1.17	0.323	---	---	---	---	---	---	---	1962
1965	---	---	0	3.98	0.125	0.083	0.131	0.075	0	0	---	---	0.540	1965
1966	---	---	0	5.29	0.214	0.129	0.108	0.017	0.018	0	---	---	0.708	1966
1967	---	---	0	1.11	4.06	0.042	0	0	0	0	---	---	0.655	1967
1968	---	---	1.00	0.778	0.035	0.002	0	0	0	0	---	---	0.227	1968
1969	---	---	0	4.27	0.066	0	0.001	0	0	0	---	---	0.531	1969
1970	---	---	0	6.91	0.941	0.008	0.071	0.002	0	0	---	---	0.975	1970
1971	---	---	0	4.80	0.237	0	0.008	0.015	0	0	---	---	0.621	1971
1972	---	---	0	10.3	1.10	0.037	0	0	0	0	---	---	1.40	1972
1973	---	---	0	0.048	0.014	1.84	0.229	0	0	0	---	---	0.262	1973
1974	---	---	0	16.6	6.04	0.594	0.006	0	0	0	---	---	2.88	1974
1975	---	---	0	5.12	7.28	0.494	0.096	0	0	0	---	---	1.62	1975
1976	---	---	0	2.01	0.040	0	0	0	0	0	---	---	0.252	1976
1977	---	---	0	0.301	0.141	0.120	0.001	0	0	0	---	---	0.070	1977
1978	---	---	0	6.45	0.351	0.012	0.057	0.009	0	0	---	---	0.844	1978
1979	---	---	0	10.6	5.01	1.05	0.469	0.001	0	0	---	---	2.12	1979
1980	---	---	0	5.62	0.146	0	0	0	0	0	---	---	0.707	1980
1981	---	---	0.001	0.018	0.009	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	2.64	0.174	0.166	0	0	0	0	---	---	0.366	1982
1983	---	---	0	1.32	0.545	0.013	0.164	0.110	0	0	---	---	0.271	1983
1984	---	---	0.170	1.86	0.761	0.915	0.001	0	0	0	---	---	0.458	1984
1985	---	---	0	13.6	0.407	0.013	0	0	0	0	---	---	1.72	1985
1986	---	---	0.121	1.26	0.117	0	0	0	0	0	---	---	0.185	1986
1987	---	---	0	1.35	0.002	0	0	0	0	0	---	---	0.166	1987
1988	---	---	0	8.23	0.085	0	0	0	0	0	---	---	1.02	1988
1989	---	---	0	0.088	0	0	0	0	0	0	---	---	0.011	1989
1990	---	---	0.162	1.26	0.097	0.001	0	0	0	0	---	---	0.187	1990
MEAN	---	---	0.056	4.36	1.02	0.216	0.052	0.009	0.001	0	---	---	0.723	MEAN

LOCATION - LAT 52 54 28 N
LONG 104 50 18 W
DRAINAGE AREA, 510 km²
REGULATED

GOOSEHUNTING CREEK NEAR BEATTY - STATION NO. 05KA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1960	---	---	---	---	1960
1962	---	---	---	---	1962
1965	---	24.8 B ON APR 13	OB ON MAR 01 *	11 400	1965
1966	---	14.0 ON APR 14	OB ON MAR 01	15 000	1966
1967	---	15.7 B ON APR 30	OB ON MAR 01	13 900	1967
1968	---	8.75 B ON MAR 27	OB ON MAR 01	4 800	1968
1969	37.1 B AT 11:00 CST ON APR 12	29.4 ON APR 13	OB ON MAR 01	11 200	1969
1970	---	21.7 B ON APR 12	OB ON MAR 01	20 600	1970
1971	25.7 AT 07:14 CST ON APR 14	22.2 ON APR 14	OB ON MAR 01	13 100	1971
1972	---	42.8 ON APR 22	OB ON MAR 01	29 600	1972
1973	8.16 AT 03:31 CST ON JUN 07	7.93 ON JUN 07	OB ON MAR 01	5 540	1973
1974	---	107 ON APR 20 *	OB ON MAR 01	60 900	1974
1975	32.0 AT 06:06 CST ON APR 30	29.2 ON APR 30	OB ON MAR 01	34 300	1975
1976	---	8.44 ON APR 08	OB ON MAR 01	5 330	1976
1977	---	1.33 ON APR 13	OB ON MAR 01	1 470	1977
1978	---	33.1 B ON APR 11	OB ON MAR 01	17 900	1978
1979	53.0 AT 06:00 CST ON APR 26 *	50.0 ON APR 26	OB ON MAR 01	45 000	1979
1980	35.7 B AT 01:12 CST ON APR 16	32.4 B ON APR 16	OB ON MAR 01	15 000	1980
1981	0.071 AT 21:49 CST ON APR 17	0.061 ON APR 11	OB ON MAR 01	71.5	1981
1982	15.1 AT 13:09 CST ON APR 17	14.0 ON APR 17	OB ON MAR 01	7 740	1982
1983	7.11 AT 12:39 CST ON APR 22	6.81 ON APR 22	OB ON MAR 01	5 740	1983
1984	6.79 AT 07:46 CST ON APR 06	6.44 ON APR 06	OB ON MAR 01	9 700	1984
1985	46.0 AT 10:08 CST ON APR 15	44.4 ON APR 15	OB ON MAR 01	36 400	1985
1986	6.52 AT 10:33 CST ON APR 01	6.30 ON APR 01	OB ON MAR 01	3 910	1986
1987	6.41 AT 13:58 CST ON APR 08	6.13 ON APR 08	OB ON MAR 01	3 510	1987
1988	42.1 AT 15:33 CST ON APR 09	37.5 ON APR 11	OB ON MAR 01	21 600	1988
1989	0.317B AT 14:00 CST ON APR 11	0.297B ON APR 11	OB ON MAR 01	228	1989
1990	9.83 AT 15:47 CST ON APR 01	8.72 ON APR 01	OB ON MAR 01	3 960	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 300	MEAN

GORDON IRONSIDE AND FARES DITCH NEAR CRANE LAKE - STATION NO. 05HA043

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 59 02 N
LONG 109 00 22 W REGULATED

GORDON IRONSIDE AND FARES DITCH NEAR CRANE LAKE - STATION NO. 05HA043

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	0 ON AUG 28 *	---	1916
1917	---	---	0 ON JUN 22	---	1917
1918	---	---	0 ON MAY 17	---	1918
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

GREASE RIVER BELOW FONTAINE LAKE - STATION NO. 07LE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	13.4	12.9	13.0	---	1973
1974	13.0	13.0	---	---	---	---	38.2	45.4	36.6	30.5	---	---	---	1974
1976	---	---	---	---	---	53.7	39.7	30.1	26.3	24.4	23.7	22.7	---	1976
1977	21.0	19.8	18.7	18.7	26.1	52.9	62.7	56.8	64.6	58.3	49.2	40.3	40.7	1977
1978	---	---	---	---	27.7	40.9	38.0	32.9	27.9	25.7	24.3	23.5	---	1978
1979	21.9	21.5	19.2	16.8	18.5	31.2	30.2	22.0	17.6	16.9	17.1	16.5	20.8	1979
1980	15.5	14.6	13.4	13.1	15.3	19.5	20.0	15.7	11.8	9.56	8.53	8.48	13.8	1980
1981	8.32	8.25	8.25	8.84	10.6	17.8	16.4	13.9	13.3	11.3	10.7	11.3	11.9	1981
1982	10.9	10.7	10.4	10.6	14.5	36.8	41.6	31.6	27.3	27.0	24.4	23.3	22.5	1982
1983	22.0	20.9	19.7	18.2	19.6	34.3	37.3	37.0	30.7	24.9	23.2	22.0	25.9	1983
1984	21.2	20.0	18.2	19.1	28.0	33.6	39.8	48.3	50.8	43.0	38.3	33.3	32.8	1984
1985	28.3	24.8	23.1	21.5	44.3	51.8	34.0	25.1	20.4	16.5	15.9	16.4	26.8	1985
1986	15.9	15.6	14.5	14.1	23.5	45.8	48.3	47.2	43.8	34.0	28.7	26.5	29.9	1986
1987	24.0	22.5	21.1	20.8	34.6	39.6	31.6	23.6	18.9	16.6	16.2	17.9	23.9	1987
1988	18.0	17.0	15.8	14.7	17.4	34.7	44.8	43.1	36.4	34.7	35.2	36.8	29.1	1988
1989	32.0	29.2	25.6	23.5	43.5	69.8	55.0	42.1	32.4	28.8	31.6	33.8	37.3	1989
1990	31.5	28.8	25.3	21.8	22.4	30.6	39.1	39.0	34.0	31.4	31.7	33.2	30.7	1990
MEAN	20.2	19.0	17.9	17.0	24.7	39.5	38.7	34.8	30.7	26.3	24.5	23.7	26.6	MEAN

LOCATION - LAT 59 32 50 N DRAINAGE AREA, 4 840 km^2
LONG 106 24 40 W NATURAL FLOW

GREASE RIVER BELOW FONTAINE LAKE - STATION NO. 07LE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1976	---	---	---	---	1976
1977	---	---	---	---	1977
1978	43.6 AT 12:22 CST ON JUN 17	67.7 ON JUL 01	18.3 ON APR 03	1 280 000	1978
1979	34.0 AT 15:16 CST ON JUN 25	43.6 ON JUN 16 33.8 ON JUN 26	---	---	1979
1980	21.6 AT 17:04 CST ON JUL 01	21.4 ON JUL 01	16.0 R ON DEC 29	655 000	1980
1981	---	20.0E ON JUN 30	8.31 ON NOV 20	436 000	1981
1982	---	45.0 ON JUL 05	8.20E ON FEB 28 *	376 000	1982
1983	41.3 AT 15:43 CST ON AUG 01	41.1 ON AUG 01	10.4 B ON MAR 16	709 000	1983
1984	53.6 AT 15:03 CST ON AUG 30	53.4 ON SEP 07	17.4 ON MAY 06	817 000	1984
1985	61.1 AT 14:46 CST ON MAY 27 *	60.7 ON MAY 28	17.4 ON MAR 21	1 040 000	1985
1986	49.5 AT 18:33 CST ON JUL 20	49.0 ON JUL 19	15.7 A ON NOV 09	847 000	1986
1987	---	41.8E ON JUN 14	13.7 ON MAY 01	943 000	1987
1988	48.5 AT 10:15 CST ON JUL 29	48.3 ON JUL 29	15.7 ON NOV 09	755 000	1988
1989	---	81.3E ON JUN 05 *	14.2 ON MAY 02	921 000	1989
1990	44.5 AT 23:17 CST ON JUL 18	44.1 ON JUL 19	22.5 ON MAY 02 20.1 ON MAY 03	1 180 000 970 000	1990
				841 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

GREENWATER CREEK NEAR CHELAN - STATION NO. 05LB009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.022	1.35	---	---	---	---	---	---	---	---	1956
1957	---	---	---	1.03	1.26	---	---	---	---	---	---	---	---	1957
1958	---	---	---	0.217	---	---	---	---	---	---	---	---	---	1958
1959	---	---	0.119	---	---	---	---	---	---	---	---	---	---	1959
1961	---	---	---	0.838	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	0.568	---	---	---	---	---	---	---	---	---	1962
1963	---	---	---	0.191	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.488	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.263	0.454	---	---	---	---	---	---	---	---	1965
1966	---	---	---	---	1.52	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.263	1.13	1.09	---	---	---	---	---	---	---	1967
1968	---	---	0.018	---	---	---	---	---	---	---	---	---	---	1968
1972	---	---	---	---	1.27	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	0.525	---	---	---	---	---	---	---	---	1973
1974	---	---	---	1.03	2.90	1.18	---	---	---	---	---	---	---	1974
1975	---	---	0	0.647	2.15	1.03	0.247	0.034	0.057	0.142	---	---	0.537	1975
1976	---	---	0.030	0.549	0.221	0.460	0.456	0.041	0.250	0.339	---	---	0.292	1976
1977	---	---	0.024	0.158	0.074	0.013	0.001	0.001	0.053	0.034	---	---	0.044	1977
1978	---	---	0	0.335	0.135	0.054	0.004	0	0	0	---	---	0.065	1978
1979	---	---	0	0.211	3.03	1.52	0.092	0	0	0	---	---	0.607	1979
MEAN	---	---	0.027	0.454	1.23	0.764	0.160	0.015	0.072	0.103	---	---	0.309	MEAN

LOCATION - LAT 52 36 30 N LONG 103 23 10 W DRAINAGE AREA, 219 km^2 NATURAL FLOW

GREENWATER CREEK NEAR CHELAN - STATION NO. 05LB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	---	4.70 ON APR 30	0 B ON MAR 01 *	11 400	1976
1977	---	2.08 ON JUN 26	0.003 ON JUL 30	6 180	1977
1978	---	0.767 ON APR 14	0 ON JUN 22	938	1978
1979	---	1.99 ON APR 21	0 B ON MAR 01	1 380	1979
		5.61 ON MAY 13 *	0 B ON MAR 01	12 900	
				6 560	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAMMOND DITCH NEAR GOVENLOCK - STATION NO. 11AB034

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0	0.015	0.033	0	0	0	0	0	---	---	0.006	1921
1922	---	---	0	0	0.038	0	0	0	0	0	---	---	0.005	1922
MEAN	---	---	0	0.008	0.036	0	0	0	0	0	---	---	0.006	MEAN

LOCATION - LAT 49 05 55 N
LONG 109 50 20 W REGULATED

HAMMOND DITCH NEAR GOVENLOCK - STATION NO. 11AB034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.045 ON APR 21	0 ON MAR 01 *	129	1921
1922	---	0.071 ON MAY 20 *	0 ON MAR 01	101	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		115	MEAN

HAMMOND WEST DITCH NEAR MAPLE CREEK - STATION NO. 05HA045

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 49 01 N
LONG 109 20 20 W REGULATED

HAMMOND WEST DITCH NEAR MAPLE CREEK - STATION NO. 05HA045

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON MAR 30 *	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HAPPYLAND CREEK NEAR FOX VALLEY - STATION NO. 05HB002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0.003	0.013	0	0	0	0	0	0	---	---	0.002	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0.001	0.027	0	0	0	0	0	0	---	---	0.003	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.022	0.047	0	0	0	0	0	0	---	---	0.009	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
1987	---	0.001	0	0	0	---	---	---	---	---	---	---	---	1987
MEAN	---	0.001	0.002	0.008	0	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 50 43 57 N DRAINAGE AREA, 54.6 km^2
LONG 109 32 27 W REGULATED

HAPPYLAND CREEK NEAR FOX VALLEY - STATION NO. 05HB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	0 B AT 00:01 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01 *	0	1977
1978	---	0.001B ON APR 05	0B ON MAR 01	0.086	1978
1979	0.087 AT 07:58 CST ON APR 01	0.069 ON APR 01	0B ON MAR 01	41.8	1979
1980	---	0 B ON MAR 01	0B ON MAR 01	0	1980
1981	0 B AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1981
1982	0.336B AT 09:06 CST ON APR 09 *	0.137RB ON APR 09	0B ON MAR 01	73.4	1982
1983	0.127 AT 23:41 CST ON JUL 19	0.002 ON JUL 19	0 ON MAR 01	0.950	1983
1984	0 AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1984
1985	0.320 AT 00:30 CST ON MAR 27	0.255 ON MAR 27 *	0B ON MAR 01	182	1985
1986	0 AT 00:01 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1986
1987	---	---	0B ON MAR 01	---	1987
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		29.8	MEAN

HAULTAIN RIVER ABOVE NORBERT RIVER - STATION NO. 06BD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	49.4	64.8	34.6	15.7	12.2	---	---	---	1967
1968	---	---	---	---	---	18.5	16.4	9.80	10.8	16.4	13.0	11.0	---	1968
1969	9.42	7.94	7.04	17.1	20.1	14.8	9.67	9.60	12.9	22.3	15.0	7.08	12.8	1969
1970	7.59	7.81	7.03	12.2	19.7	18.7	---	---	---	---	---	---	---	1970
1972	6.06	6.08	6.06	8.08	38.0	17.7	21.2	14.8	12.4	29.6	15.1	7.89	15.3	1972
1973	7.26	7.02	7.00	11.9	33.4	24.1	77.7	39.2	22.5	22.0	17.0	13.3	23.7	1973
1974	10.3	9.48	9.32	23.7	33.7	28.2	39.1	27.2	25.1	23.8	20.8	15.4	22.2	1974
1975	11.2	10.1	8.90	12.2	32.9	23.1	37.9	26.5	27.3	23.2	15.2	10.2	20.0	1975
1976	8.30	8.87	7.82	8.55	15.0	19.0	74.6	50.2	33.1	35.4	23.5	13.3	24.9	1976
1977	12.1	12.3	10.3	21.0	39.6	43.2	36.3	26.4	22.8	29.1	17.8	9.47	23.4	1977
1978	9.90	8.09	7.37	10.2	60.1	49.3	26.9	32.4	44.5	43.9	24.0	12.6	27.5	1978
1979	9.89	8.44	7.51	6.88	44.4	38.0	24.8	25.4	28.1	31.1	26.6	14.4	22.2	1979
1980	11.2	8.82	7.81	19.4	18.0	10.6	13.2	17.2	16.9	24.7	12.6	7.16	14.0	1980
1981	8.38	6.26	6.26	7.65	32.2	18.1	12.8	8.21	6.46	7.24	6.78	6.50	10.6	1981
1982	4.67	3.58	3.33	6.06	45.0	31.7	21.0	29.6	19.9	14.2	10.6	10.0	16.7	1982
1983	9.13	8.48	7.79	12.7	24.1	43.0	20.3	14.1	13.2	14.6	12.3	7.14	15.6	1983
1984	5.96	6.26	5.65	16.2	24.0	21.4	13.9	10.9	9.35	12.6	12.8	10.7	12.5	1984
1985	8.77	6.16	5.30	11.2	62.1	31.4	31.4	17.9	13.9	13.4	8.85	6.27	18.2	1985
1986	5.65	5.55	7.35	17.0	40.3	26.6	46.9	35.1	17.7	14.3	11.2	10.2	20.0	1986
1987	9.19	8.43	8.44	18.2	35.4	21.3	13.0	13.6	10.4	9.22	7.88	6.62	13.5	1987
1988	4.52	4.91	6.60	10.9	32.4	27.5	23.2	18.5	18.1	15.5	13.0	11.6	15.6	1988
1989	9.29	7.19	5.44	6.58	43.7	30.3	26.2	13.7	12.7	16.7	13.3	11.8	16.5	1989
1990	8.29	7.12	8.27	13.2	25.9	16.8	16.6	10.4	9.69	11.7	9.42	8.13	12.2	1990
MEAN	8.43	7.57	7.17	12.9	34.3	27.1	30.4	22.0	18.3	20.1	14.6	10.0	17.9	MEAN

LOCATION - LAT 56 14 40 N DRAINAGE AREA, 3 680 km²
LONG 106 33 40 W NATURAL FLOW

HAULTAIN RIVER ABOVE NORBERT RIVER - STATION NO. 06BD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	27.3B AT 08:00 CST ON APR 20	26.4 ON APR 23	6.40B ON DEC 23	402 000	1969
1970	---	---	---	---	1970
1972	---	46.4E ON MAY 11	5.97B ON APR 11	484 000	1972
1973	98.3 AT 21:45 CST ON JUL 19	97.4 ON JUL 20	6.60B ON FEB 22	749 000	1973
1974	56.9 AT 04:35 CST ON JUL 18	56.9 ON JUL 18	9.06B ON MAR 07	702 000	1974
1975	---	42.5E ON JUL 17	8.41B ON APR 08	630 000	1975
1976	111 AT 10:32 CST ON JUL 17 *	110 ON JUL 17 *	7.65B ON APR 04	788 000	1976
1977	---	53.8 ON APR 25	7.02B ON APR 13	739 000	1977
1978	81.8 AT 04:57 CST ON MAY 22	81.6 ON MAY 21	6.82B ON MAR 16	869 000	1978
1979	75.8 AT 07:43 CST ON MAY 26	75.7 ON MAY 26	5.66B ON APR 06	700 000	1979
1980	---	34.2E ON APR 25	6.30B ON DEC 04	442 000	1980
1981	38.5 AT 02:35 CST ON MAY 12	38.2 ON MAY 10	5.14B ON APR 19	335 000	1981
1982	53.6B AT 21:46 CST ON MAY 02	49.4 ON MAY 10	2.44B ON APR 05 *	528 000	1982
1983	58.5 AT 13:49 CST ON JUN 13	58.3 ON JUN 13	5.95B ON DEC 19	491 000	1983
1984	33.3 AT 23:30 CST ON MAY 22	33.0 ON MAY 22	4.53B ON MAR 15	395 000	1984
1985	84.8 AT 22:19 CST ON MAY 11	84.6 ON MAY 11	4.33B ON APR 08	573 000	1985
1986	---	56.5E ON JUL 10	5.21B ON FEB 19	629 000	1986
1987	---	51.0E ON MAY 03	4.81B ON DEC 31	426 000	1987
1988	41.2 AT 21:20 CST ON MAY 01	39.0 ON MAY 01	3.99B ON FEB 07	493 000	1988
1989	55.8 AT 18:44 CST ON MAY 23	55.4 ON MAY 24	4.82B ON MAR 30	520 000	1989
1990	30.5 AT 18:56 CST ON MAY 06	30.4 ON MAY 07	6.85B ON FEB 01	384 000	1990
				564 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAY CREEK AT FAQUIER'S RANCH - STATION NO. 05HA007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	0.202	0.041	0.027	0	0	0	---	---	---	1909
1910	---	---	---	0	0	0	0	0	0	0	---	---	---	1910
1911	---	---	---	0.032	0.009	0.004	0.005	0.001	0.004	0.004	0.002	---	---	1911
1912	---	---	---	0.341	0.155	0.081	0.003	0.003	0	0.007	---	---	---	1912
1913	---	---	---	0.246	0.020	0	0	---	---	---	---	---	---	1913
1914	---	---	---	0.094	0	0	0	0	0	0.051	---	---	---	1914
MEAN	---	---	---	0.143	0.064	0.021	0.006	0.001	0.001	0.012	0.002	---	---	MEAN

LOCATION - LAT 49 51 10 N DRAINAGE AREA, 54.6 km²
LONG 109 22 26 W REGULATED

HAY CREEK AT FAQUIER'S RANCH - STATION NO. 05HA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	0 ON JUN 05 *	---	1909
1910	---	0.005 ON APR 01	0 ON APR 04	---	1910
1911	---	0.156 ON MAR 24	0 ON APR 02	---	1911
1912	---	1.08 ON MAY 20 *	0 ON JUN 11	---	1912
1913	---	0.623 ON APR 01	0 ON MAY 21	---	1913
1914	---	0.547 ON OCT 09	0 ON MAY 02	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HAY CREEK AT HAY CREEK SCHOOL - STATION NO. 05HA021

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	---	---	---	---	---	---	1910
1911	---	---	---	0.171	0.031	0.011	---	---	0.017	0.017	---	---	---	1911
1912	---	---	---	---	0.195	0.042	---	0.006	0.004	0.006	---	---	---	1912
1913	---	---	---	0.217	0.009	0.003	0.001	0	0	0	---	---	---	1913
1914	---	---	---	0.089	0.047	0.002	0	0	0	0.062	---	---	---	1914
1915	---	---	---	0.083	0.031	0.014	0.033	0.004	0.005	0.003	---	---	---	1915
1916	---	---	0.242	0.091	0.158	0.243	0.057	0.016	0.002	0.011	---	---	0.103	1916
1917	---	---	---	0.798	0.475	0.076	0.006	0	0.002	0.002	---	---	---	1917
1918	---	---	---	0.216	0.030	0.006	0.001	0	0	0	---	---	---	1918
1919	---	---	0.004	0.095	0.009	0.001	0	0	0	0	---	---	0.013	1919
1920	---	---	0.183	0.419	0.222	0.010	0.014	0.001	0	0	---	---	0.106	1920
1921	---	---	0.149	0.307	0.153	0.005	0.003	0	0	0.001	---	---	0.077	1921
MEAN	---	---	0.145	0.249	0.124	0.038	0.013	0.003	0.003	0.009	---	---	0.075	MEAN

LOCATION - LAT 49 50 30 N LONG 109 22 00 W DRAINAGE AREA, 52.1 km^2 REGULATED

HAY CREEK AT HAY CREEK SCHOOL - STATION NO. 05HA021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	0 ON MAY 28 *	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUN 30	---	1914
			0 ON JUN 08	---	1915
1915	---	---	---	---	1916
1916	---	0.549 ON APR 03	---	---	1917
1917	---	0.963 ON JUN 11	0.001 ON AUG 15	2 170	1918
1918	---	2.10 ON APR 13	0 B ON APR 01	---	1919
1919	---	3.40 B ON MAR 17 *	0 ON JUL 05	---	1920
		0.249 ON APR 01	0 B ON MAR 01	286	1921
1920	---	1.56 ON APR 23	0 B ON MAR 01	2 240	MEAN
1921	---	1.39 ON APR 13	0 B ON MAR 03	1 630	
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 580	

HAY MEADOW CREEK NEAR LISIEUX - STATION NO. 11AE010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.550	0.065	0.050	0.018	0.013	0.019	0.040	0.061	---	---	0.103	1968
1969	---	---	0.485	2.01	0.118	0.014	0.051	0.030	0.006	0.026	---	---	0.338	1969
1970	---	---	0.262	0.998	0.408	0.045	0.017	0.015	0.019	0.019	---	---	0.221	1970
1971	---	---	0.422	0.450	0.070	0.042	0.028	0.004	0.004	0.026	---	---	0.130	1971
1972	---	---	0.656	0.084	0.237	0.077	0.030	0.038	0.022	0.031	---	---	0.148	1972
1973	---	---	0.180	0.147	0.115	0.108	0.013	0.013	0.010	0.015	---	---	0.075	1973
1974	---	---	0.652	1.32	0.288	0.056	0.022	0.091	0.016	0.092	---	---	0.316	1974
1975	---	---	0.283	3.12	0.239	0.093	0.042	0.064	0.050	0.071	---	---	0.487	1975
1976	---	---	2.41	0.293	0.035	0.125	0.101	0.010	0.017	0.028	---	---	0.380	1976
1977	---	---	0.077	0.113	0.155	0.056	0.074	0.024	0.053	0.058	---	---	0.076	1977
1978	---	---	1.37	0.338	0.233	0.001	0.063	0.026	0.050	0.040	---	---	0.276	1978
1979	---	---	0.370	1.14	0.329	0.049	0.030	0.019	0.026	0.043	---	---	0.249	1979
1980	---	---	0.321	0.248	0.051	0.021	0.028	0.041	0.040	0.045	---	---	0.099	1980
1981	---	---	0.101	0.069	0.046	0.124	0.013	0.024	0.017	0.032	---	---	0.053	1981
1982	---	---	0.797	1.50	0.466	0.136	0.051	0.020	0.022	0.046	---	---	0.378	1982
1983	---	0.295	0.254	0.148	0.207	0.030	0.203	0.022	0.020	0.045	---	---	0.117	1983
1984	---	0.092	0.234	0.085	0.038	0.081	0.016	0.016	0.025	0.022	---	---	0.085	1984
1985	---	---	0.382	0.146	0.061	0.026	0.018	0.020	0.056	0.079	---	---	0.099	1985
1986	---	---	0.494	0.072	0.283	0.031	0.031	0.014	0.036	0.057	---	---	0.128	1986
1987	---	0.099	0.233	0.264	0.033	0.013	0.023	0.024	0.017	0.023	---	---	0.078	1987
1988	---	---	0.100	0.053	0.076	0.017	0.012	0.010	0.010	0.018	---	---	0.037	1988
1989	---	---	0.295	0.087	0.086	0.036	0.011	0.010	0.012	0.019	---	---	0.070	1989
1990	---	0.019	0.141	0.114	0.083	0.027	0.346	0.033	0.015	0.012	---	---	0.097	1990
MEAN	---	0.126	0.481	0.559	0.161	0.057	0.054	0.026	0.025	0.040	---	---	0.175	MEAN

LOCATION - LAT 49 16 13 N
LONG 105 58 22 W
DRAINAGE AREA, 187 km²
REGULATED

HAY MEADOW CREEK NEAR LISIEUX - STATION NO. 11AE010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	---	2.35 B ON MAR 02	0.003 ON AUG 14	2 170	1968
1969	---	10.4 B ON APR 04	0.003 ON SEP 18	7 160	1969
1970	---	5.64 B ON APR 07	0 B ON MAR 01 *	4 690	1970
1971	---	4.93 B ON MAR 30	0 B ON MAR 01	2 760	1971
1972	5.95 AT 09:27 CST ON MAR 30	4.08 B ON MAR 15	0.008 ON SEP 02	3 140	1972
1973	---	0.510 ON JUN 04	0.005 ON JUL 05	1 590	1973
1974	10.3 B AT 01:00 CST ON APR 10	6.20 B ON MAR 30	0.003 ON AUG 04	6 690	1974
1975	21.5 B AT 09:15 CST ON APR 22 *	20.2 B ON APR 22 *	0.025 ON AUG 06	10 300	1975
1976	---	17.6 B ON MAR 19	0.008 ON AUG 07	8 050	1976
1977	1.58 AT 15:56 CST ON MAY 28	0.855 ON MAY 28	0.010 ON JUL 04	1 610	1977
1978	10.4 AT 01:10 CST ON MAR 27	6.40 ON MAR 27	0 B ON MAR 01	5 850	1978
1979	10.8 AT 07:41 CST ON APR 18	9.50 ON APR 18	0.014 ON AUG 20	5 270	1979
1980	---	1.75 B ON MAR 30	0.009 ON JUL 31	2 100	1980
1981	---	0.261 ON JUN 23	0.001 ON JUL 09	1 120	1981
1982	10.7 B AT 22:20 CST ON APR 13	8.95 B ON APR 12	0.012 ON SEP 26	8 010	1982
1983	4.11 AT 21:26 CST ON JUL 10	2.14 ON JUL 11	0.014 ON AUG 18	2 470	1983
1984	1.87 B AT 04:18 CST ON MAR 21	1.55 B ON MAR 21	0.010 ON JUL 18	1 370	1984
1985	3.17 B AT 12:19 CST ON MAR 15	2.20 B ON MAR 16	0.007 ON JUN 20	2 090	1985
1986	11.6 B AT 23:01 CST ON FEB 26	2.46 B ON MAR 01	0.009 ON AUG 24	2 720	1986
1987	4.05 B AT 23:52 CST ON MAR 31	2.88 B ON APR 01	0.005 ON JUN 15	1 660	1987
1988	0.757B AT 10:32 CST ON MAR 25	0.309 ON MAY 09	0.002 ON JUL 31	785	1988
1989	2.25 B AT 16:10 CST ON MAR 11	1.76 B ON MAR 11	0.001 ON AUG 24	1 480	1989
1990	5.03 AT 14:01 CST ON JUL 27	3.07 ON JUL 27	0.001 ON OCT 18	2 050	1990
				3 700	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HORSE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.009	0.012	0.002	0	0	0	---	---	---	1914
1915	---	---	---	0.564	0.119	0.021	0.005	0	0.003	0.002	---	---	---	1915
1916	---	---	0.457	4.23	0.194	0.067	0.066	0.010	0.002	0.002	---	---	0.619	1916
1917	---	---	0	2.16	0.105	0.001	0	0	0.001	0.001	---	---	0.278	1917
1918	---	---	---	0.503	0.054	0.003	0	0.010	0	0	---	---	---	1918
1919	---	---	0	1.75	0.032	0.001	0	0	0	0	---	---	0.218	1919
1920	---	---	0.167	0.448	0.035	0	0	0	0	0	---	---	0.080	1920
1921	---	---	---	0.279	0.188	0.139	0.397	0.003	0.001	0	---	---	---	1921
1922	---	---	0	1.87	0.138	0.025	0.003	0.001	0	0	---	---	0.250	1922
1923	---	---	0	0.802	0.022	0.859	0.132	0.003	0	0.003	---	---	0.224	1923
1924	---	---	0.060	0.468	0.046	0.007	0	0	0	0.155	---	---	0.091	1924
1925	---	---	1.70	1.53	0.030	0.044	0.005	0	0.002	0.008	---	---	0.414	1925
1926	---	---	1.26	0.026	0.153	0.218	0.004	0	0	0	---	---	0.209	1926
1927	---	---	0.042	4.16	0.431	0.100	0.013	0.005	0.021	0.010	---	---	0.587	1927
1928	---	---	1.97	0.159	0.028	0.262	0.066	0.007	0.003	0.002	---	---	0.314	1928
1929	---	---	0.110	0.053	0.009	0.002	0	0	0	0	---	---	0.022	1929
1930	---	---	0.819	0.967	0.030	0.002	0.001	0.001	0	0.001	---	---	0.227	1930
1931	---	---	0.052	0.010	0.004	0.001	0	0	0	0	---	---	0.008	1931
1932	---	---	0.238	0.091	0	0.002	0	0	0	0	---	---	0.041	1932
1933	---	---	0.288	0.005	0	0	0	0.191	0	0	---	---	0.061	1933
1934	---	---	1.06	0.241	0	0	0	0	0	0	---	---	0.164	1934
1935	---	---	0	0.467	0.027	0.004	0.014	0	0	0	---	---	0.063	1935
1936	---	---	0	0.900	0.092	0.002	0	0	0	0	---	---	0.123	1936
1937	0	0	0	0.175	0	0	0	0	0	0	---	---	0.021	1937
1938	---	---	1.13	0.392	0.010	0.194	0.088	0	0	0	---	---	0.228	1938
1939	---	---	2.91	0.064	0.584	1.08	0.009	0.001	0	0	---	---	0.584	1939
1940	---	---	0	0.677	0.020	0.121	0	0	0.003	0	---	---	0.101	1940
1941	---	---	1.12	0.019	0	0.009	0.008	0	0	0	---	---	0.146	1941
1942	---	---	0.588	0.271	0.005	0.110	0.019	0.006	0.001	0	---	---	0.125	1942
1943	---	---	3.14	0.606	0.004	0.155	0.005	0	0	0	---	---	0.491	1943
1944	---	---	0.218	0.451	0.015	0.005	0	0.001	0	0	---	---	0.087	1944
1945	---	---	0.907	0.002	0	0	0	0	0	0	---	---	0.115	1945
1946	---	---	0.609	0.014	0	0	0	0	0	0	---	---	0.079	1946
1947	---	---	0.332	1.64	0.012	0.056	0.026	0.020	0	0	---	---	0.257	1947
1948	---	---	0.088	0.988	0.019	0.002	0	0	0	0	---	---	0.135	1948
1949	---	---	0.094	0.248	0	0	0	0	0	0	---	---	0.042	1949
1950	---	---	0	2.35	0.071	0.079	0.002	0	0	0	---	---	0.307	1950
1951	---	---	0	1.69	0.186	0.003	0	0.001	0.010	0	---	---	0.232	1951
1952	---	---	0	5.27	0.025	0.003	0.175	0.001	0	0	---	---	0.671	1952
1953	---	---	0.016	0.265	0.337	0.613	0.030	0	0	0	---	---	0.156	1953
1954	---	---	0.120	1.77	0.026	0.222	0.012	0.142	0.012	0.004	0.003	---	0.284	1954
1955	---	---	0.002	2.10	0.418	0.010	0	0	0	0	---	---	0.311	1955
1956	---	---	0.208	0.276	0.024	0.006	0.003	0	0	0	---	---	0.064	1956
1957	---	---	0.111	0.017	0	0	0	0	0	0	---	---	0.019	1957
1958	---	---	0.703	0.219	0	0	0	0	0	0	---	---	0.116	1958
1959	---	---	0.522	0.085	0	0.083	0.006	0	0	0	---	---	0.087	1959
1960	---	---	2.18	0.065	0	0	0.006	0.024	0	0	---	---	0.288	1960
1961	---	---	0.022	0	0	0.001	0	0	0	0	---	---	0.003	1961
MEAN	0	0	0.529	0.880	0.073	0.094	0.023	0.009	0.001	0.004	0.003	---	0.203	MEAN

LOCATION - LAT 48 59 20 N LONG 106 50 10 W DRAINAGE AREA, 196 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

HORSE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON JUL 15 *	---	1914
1915	---	2.61 ON APR 04	0 ON MAY 01	---	1915
1916	---	10.3 E ON APR 10	0B ON MAR 01	13 100	1916
1917	---	15.9 ON APR 15	0B ON MAR 01	5 090	1917
1918	---	---	0 ON MAY 09	---	1918
1919	12.1 B ON APR 03	8.27 B ON APR 03	0B ON MAR 01	4 620	1919
1920	---	1.67 B ON APR 13	0B ON MAR 01	1 700	1920
1921	---	8.64 ON JUL 13	0 ON JUN 01	---	1921
1922	---	12.7 B ON APR 05	0B ON MAR 01	5 300	1922
1923	---	18.4 ON JUN 01	0B ON MAR 01	4 730	1923
1924	---	2.49 B ON APR 03	0 ON MAR 07	1 930	1924
1925	29.4 B ON MAR 30	23.2 B ON MAR 30	0B ON MAR 01	8 760	1925
1926	---	7.76 ON MAR 17	0 ON JUL 10	4 430	1926
1927	---	19.6 ON APR 09	0B ON MAR 01	12 400	1927
1928	26.6 B AT 09:00 MST ON MAR 22	15.9 B ON MAR 22	0B ON MAR 01	6 650	1928
1929	0.890 AT 11:15 MST ON MAR 29	0.804 ON MAR 29	0B ON MAR 01	460	1929
1930	---	6.91 B ON APR 04	0B ON MAR 01	4 800	1930
1931	---	0.195B ON MAR 21	0 ON JUN 08	178	1931
1932	1.59 AT 10:00 MST ON MAR 24	1.01 ON MAR 24	0B ON MAR 04	878	1932
1933	8.81 AT 01:00 MST ON AUG 22	3.79 ON AUG 22	0B ON MAR 01	1 300	1933
1934	---	2.29 ON APR 02	0 ON MAY 01	3 470	1934
1935	6.40 B ON APR 14	2.69 B ON APR 14	0 ON MAR 01	1 330	1935
1936	---	0.18 B ON APR 12	0 ON MAR 01	2 610	1936
1937	1.23 AT 15:15 MST ON APR 10	1.18 ON APR 10	0 ON MAR 01	454	1937
1938	8.16 AT 22:00 MST ON MAR 17	5.61 ON MAR 18	0 ON MAR 01	4 820	1938
1939	38.5 AT 02:00 MST ON MAR 24	28.3 ON MAR 24	0 ON MAR 01	12 400	1939
1940	7.16 AT 08:00 MST ON APR 19	5.52 ON APR 19	0 ON MAR 01	2 130	1940
1941	8.35 B AT 11:00 MST ON MAR 22	5.95 B ON MAR 22	0B ON MAR 01	3 090	1941
1942	3.65 AT 09:30 MST ON MAR 14	2.80 ON MAR 14	0 ON MAR 01	2 640	1942
1943	45.0 ON MAR 29	30.6 ON MAR 29	0 ON MAR 01	10 400	1943
1944	13.6 AT 13:30 MST ON APR 01	4.45 ON APR 01	0 ON MAR 01	1 830	1944
1945	8.86 AT 11:00 MST ON MAR 13	7.11 ON MAR 13	0 ON MAR 01	2 440	1945
1946	3.37 AT 06:30 MST ON MAR 20	2.49 ON MAR 20	0 ON MAR 01	1 670	1946
1947	8.52 AT 06:00 MST ON APR 03	7.31 ON APR 03	0 ON MAR 01	4 430	1947
1948	6.37 AT 06:00 MST ON APR 16	4.39 ON APR 16	0 ON MAR 01	2 860	1948
1949	2.21 B AT 23:00 MST ON MAR 30	1.70 B ON MAR 31	0B ON MAR 01	895	1949
1950	27.5 AT 23:00 MST ON APR 16	16.9 ON APR 16	0E ON MAR 01	6 500	1950
1951	7.59 AT 04:00 MST ON APR 26	6.23 ON APR 26	0B ON MAR 01	4 920	1951
1952	51.0 AT 04:00 MST ON APR 15 *	36.0 ON APR 14 *	0 ON MAR 01	14 200	1952
1953	20.6 AT 23:50 MST ON JUN 02	7.36 ON JUN 03	0b ON MAR 01	3 300	1953
1954	43.3 B AT 23:00 MST ON APR 05	22.4 B ON APR 06	0B ON MAR 01	6 010	1954
1955	15.5 B AT 20:00 MST ON APR 01	13.0 B ON APR 02	0B ON MAR 01	6 580	1955
1956	---	2.55 E ON MAR 27	0B ON MAR 01	1 360	1956
1957	---	1.13 E ON MAR 24	0 ON MAR 01	403	1957
1958	14.6 AT 05:00 MST ON MAR 31	8.67 ON MAR 31	0 ON MAR 12	2 450	1958
1959	3.96 AT 16:00 MST ON MAR 27	3.71 ON MAR 27	0 ON MAR 01	1 850	1959
1960	18.6 AT 00:30 MST ON MAR 27	11.7 ON MAR 27	0 ON MAR 01	6 100	1960
1961	0.286 AT 04:00 MST ON MAR 22	0.178 ON MAR 22	0 ON MAR 01	63.5	1961
				4 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HORSEHEAD CREEK NEAR MAYWA - STATION NO. 06AD004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	3.66	4.24	1.26	0.600	0.777	---	---	---	---	1933
1934	---	---	---	---	1.52	1.07	0.860	0.106	0.077	0.099	---	---	0.624	1934
1935	---	---	---	---	1.78	0.387	0.147	0.091	0.047	0.102	---	---	0.429	1935
1936	---	---	---	---	0.573	0.275	0.095	0.083	0.113	0.139	---	---	0.213	1936
1937	---	---	---	---	1.03	0.271	0.170	0.085	0.017	0.081	---	---	0.276	1937
1938	---	---	---	---	0.335	0.111	0.042	0.027	0.013	0.027	---	---	0.093	1938
1939	---	---	---	---	0.719	0.336	0.255	0.015	0	0.018	---	---	0.225	1939
1940	---	---	---	---	0.215	0.138	0.077	0.010	0	0	---	---	0.073	1940
MEAN	---	---	---	---	1.23	0.854	0.364	0.128	0.131	0.067	---	---	0.276	MEAN

LOCATION - LAT 54 02 10 N
LONG 106 49 30 W
DRAINAGE AREA, 627 km^2
NATURAL FLOW

HORSEHEAD CREEK NEAR MAYWA - STATION NO. 06AD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	---	---	---	1933
1934	---	4.08 ON JUN 25 *	0.040 ON SEP 03	910	1934
1935	---	4.08 ON MAY 09	0.028B ON OCT 31	6 810	1935
1936	---	1.21 ON MAY 01	0.031 ON AUG 11	3 390	1936
1937	---	1.95 ON MAY 01	0.006 ON SEP 18	4 400	1937
1938	---	0.612 ON MAY 07	0.006 ON AUG 04	1 480	1938
1939	---	1.10 ON MAY 12	0 ON AUG 22 *	3 570	1939
1940	---	0.385 ON MAY 01	0 ON AUG 17	1 170	1940
				4 390	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HUFF LAKE GRAVITY CANAL - STATION NO. 11AC065

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	0	0	0	0.053	0.068	0	0	0	---	---	0.015	1946
1947	---	---	0	0	0.014	0.134	0.018	0.066	0	0	---	---	0.029	1947
1948	---	---	0	0	0.015	0.176	0.062	0.043	0	0	---	---	0.037	1948
1949	---	---	0	0.001	0.229	0.194	0	0	0	0	---	---	0.053	1949
1950	---	---	0	0	0.001	0.192	0.162	0.106	0	0	---	---	0.058	1950
1951	---	---	0	0	0.014	0.149	0.150	0.092	0	0	---	---	0.051	1951
1952	---	---	0	0	0	0.298	0.186	0.001	0	0	---	---	0.060	1952
1953	---	---	0	0	0	0	0.116	0.099	0.069	0.011	---	---	0.037	1953
1954	---	---	0	0	0	0.089	0.173	0.131	0	0	---	---	0.049	1954
1955	---	---	0	0	0.009	0.229	0	0.234	0.064	0	---	---	0.067	1955
1956	---	---	0	0	0.187	0.371	0.238	0.370	0.202	0.002	---	---	0.171	1956
1957	---	---	0	0	0.303	0.114	0.167	0.277	0.054	0	---	---	0.115	1957
1958	---	---	0	0	0.375	0.118	0.159	0.270	0.007	0	---	---	0.117	1958
1959	---	---	0	0	0.440	0.182	0.008	0	0	0	---	---	0.079	1959
1960	---	---	0	0	0	0.471	0.162	0.146	0	0	---	---	0.097	1960
1961	---	---	0	0	0.307	0.279	0.441	0.002	0	0	---	---	0.129	1961
1962	---	---	0	0	0.271	0.091	0.027	0	0.420	0.048	---	---	0.106	1962
1963	---	---	0	0	0.190	0.234	0.171	0.361	0	0	---	---	0.120	1963
1964	---	---	0	0	0.208	0.349	0.040	0.125	0.002	0	---	---	0.091	1964
1965	---	---	0	0	0	0.540	0	0.427	0.189	0	---	---	0.143	1965
1966	---	---	0	0	0.143	0.238	0.124	0.467	0	0	---	---	0.122	1966
1967	---	---	0	0	0	0.316	0.362	0.220	0	0	---	---	0.112	1967
1968	---	---	0	0	0.521	0.034	0.455	0.090	0	0	---	---	0.139	1968
1969	---	---	0	0	0.065	0.420	0	0.564	0	0	---	---	0.131	1969
1970	---	---	0	0	0.055	0.350	0.219	0.292	0	0	---	---	0.114	1970
1971	---	---	0	0	0.303	0.119	0.435	0.067	0	0	---	---	0.116	1971
1972	---	---	0	0	0.310	0.052	0.535	0	0	0	---	---	0.113	1972
1973	---	---	0	0	0.425	0.050	0.500	0.027	0	0	---	---	0.137	1973
1974	---	---	0	0	[illegible]	0.439	0.392	0.057	0	0	---	---	0.111	1974
1975	---	---	0	0	0.019	0.380	0.415	0.195	0	0	---	---	0.126	1975
1976	---	---	0	0	0.392	0.105	0.286	0.143	0.001	0	---	---	0.117	1976
1977	---	---	0	0	0.438	0.121	0.501	0.014	0	0	---	---	0.135	1977
1978	---	---	0	0	0.354	0.101	0.177	0.276	0	0	---	---	0.115	1978
1979	---	---	0	0	0.287	0.197	0.454	0.205	0	0	---	---	0.144	1979
1980	---	---	0	0	0.746	0	0.483	0.078	0	0	---	---	0.165	1980
1981	---	---	0	0.005	0.713	0	0	0	0	0	---	---	0.091	1981
1982	---	---	0	0	0.335	0.159	0.152	0.355	0	0	---	---	0.126	1982
1983	---	---	0	0	0.299	0.194	0.572	0.154	0	0	---	---	0.153	1983
1984	---	---	0	0.227	0.518	0	0	0	0	0	---	---	0.093	1984
1985	---	---	0	0	0.692	0.267	0.030	0	0	0.005	---	---	0.125	1985
1986	---	---	0	0	0.030	0.648	0.218	0.096	0	0.002	---	---	0.123	1986
1987	---	---	0	0	0.576	0	0.489	0.015	0	0	---	---	0.137	1987
1988	---	---	0	0	0.579	0	0	0	0	0.006	---	---	0.074	1988
1989	---	---	0	0	0.463	0	0	0	0	0	---	---	0.059	1989
1990	---	---	0	0	0.619	0.057	0.173	0.006	0	0	---	---	0.108	1990
MEAN	---	---	0	0.005	0.254	0.189	0.209	0.135	0.022	0.002	---	---	0.102	MEAN

LOCATION - LAT 49 22 10 N
LONG 107 53 06 W

REGULATED

INTERNATIONAL GAUGING STATION

HUFF LAKE GRAVITY CANAL - STATION NO. 11AC065

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	0.195 ON JUL 21	0 ON MAR 01 *	319	1946
1947	---	0.227E ON JUN 03	0 ON MAR 01	610	1947
1948	---	0.212 ON JUN 15	0 ON MAR 01	779	1948
1949	---	0.368 ON MAY 13	0 ON MAR 01	1 120	1949
1950	---	0.300 ON JUN 23	0 ON MAR 01	1 220	1950
1951	---	0.323 ON JUN 11	0 ON MAR 01	1 070	1951
1952	---	0.818 ON JUN 21	0 ON MAR 01	1 470	1952
1953	---	0.490 ON JUL 23	0 ON MAR 01	784	1953
1954	---	0.365 ON JUL 01	0 ON MAR 01	1 050	1954
1955	---	0.643 ON AUG 10	0 ON MAR 01	1 410	1955
1956	---	0.736 ON JUN 01	0 ON MAR 01	3 620	1956
1957	---	0.589 ON JUL 26	0 ON MAR 01	2 430	1957
1958	---	1.47 ON MAY 22	0 ON MAR 01	2 480	1958
1959	---	1.11 ON MAY 13	0 ON MAR 01	1 670	1959
1960	---	0.821 ON JUN 29	0 ON MAR 01	2 050	1960
1961	---	0.903 ON JUL 20	0 ON MAR 01	5 730	1961
1962	---	0.756 ON SEP 21	0 ON MAR 01	5 250	1962
1963	---	1.21 ON MAY 29	0 ON MAR 01	5 540	1963
1964	---	1.39 ON MAY 29	0 ON MAR 01	1 930	1964
1965	---	1.14 ON JUN 05	0 ON MAR 01	3 040	1965
1966	---	1.04 ON AUG 01	0 ON MAR 01	5 580	1966
1967	---	0.937 ON JUL 27	0 ON MAR 01	5 380	1967
1968	---	1.14 ON JUL 18	0 ON MAR 01	5 940	1968
1969	---	1.36 ON AUG 09	0 ON MAR 01	2 770	1969
1970	---	1.37 ON JUL 28	0 ON MAR 01	2 420	1970
1971	---	1.48 ON MAY 27	0 ON MAR 01	5 460	1971
1972	---	1.55 ON JUL 14 *	0 ON MAR 01	5 400	1972
1973	---	1.33 ON JUL 19	0 ON MAR 01	5 900	1973
1974	---	0.943 ON JUN 16	0 ON MAR 01	2 340	1974
1975	---	1.17 ON JUL 29	0 ON MAR 01	2 670	1975
1976	---	1.23 ON JUL 27	0 ON MAR 01	5 470	1976
1977	---	1.20 ON JUL 15	0 ON MAR 01	5 860	1977
1978	---	0.980 ON MAY 18	0 ON MAR 01	2 420	1978
1979	---	1.35 ON JUL 23	0 ON MAR 01	3 040	1979
1980	---	1.45 ON MAY 10	0 ON MAR 01	3 500	1980
1981	---	0.991 ON MAY 17	0 ON MAR 01	1 920	1981
1982	---	1.14 ON MAY 22	0 ON MAR 01	2 670	1982
1983	---	1.29 ON JUL 19	0 ON MAR 01	3 250	1983
1984	---	1.34 ON MAY 02	0 ON MAR 01	1 980	1984
1985	---	1.47 ON MAY 23	0 ON MAR 01	2 640	1985
1986	---	1.03 ON JUN 07	0 ON MAR 01	5 610	1986
1987	---	1.45 ON JUL 16	0 ON MAR 01	5 890	1987
1988	---	1.12 ON MAY 18	0 ON MAR 01	1 570	1988
1989	---	1.28 ON MAY 18	0 ON MAR 01	1 240	1989
1990	---	1.05 ON MAY 17	0 ON MAR 01	2 290	1990
				2 170	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HUFF LAKE PUMPING CANAL - STATION NO. 11AC066

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	0	0	0	0	0.224	0.067	0	0	---	---	0.037	1950
1951	---	---	0	0	0	0.066	0.242	0.119	0	0	---	---	0.054	1951
1952	---	---	0	0	0	0.153	0.162	0.021	0	0.019	---	---	0.044	1952
1953	---	---	0	0.018	0.050	0	0.191	0.355	0.176	0	---	---	0.099	1953
1954	---	---	0	0	0	0.242	0.187	0.125	0	0	---	---	0.069	1954
1955	---	---	0	0	0.023	0.371	0.005	0.295	0.094	0	---	---	0.098	1955
1956	---	---	0	0	0.158	0.220	0.216	0.111	0	0	---	---	0.088	1956
1957	---	---	0	0	0.270	0.204	0.284	0.223	0	0	---	---	0.123	1957
1958	---	---	0	0	0.335	0.178	0.438	0.094	0.005	0	---	---	0.132	1958
1959	---	---	0	0	0.274	0.366	0.117	0	0	0	---	---	0.094	1959
1960	---	---	0	0	0.117	0.475	0.089	0.426	0.001	0.055	---	---	0.145	1960
1961	---	---	0	0	0.318	0.334	0.362	0.137	0	0	---	---	0.144	1961
1962	---	---	0	0	0.313	0.140	0	0.138	0.412	0.110	---	---	0.119	1962
1963	---	---	0	0	0.098	0.110	0.199	0.519	0.035	0	---	---	0.122	1963
1964	---	---	0	0	0.104	0.541	0.006	0.123	0.009	0	---	---	0.097	1964
1965	---	---	0	0	0	0.426	0	0.426	0.119	0	---	---	0.121	1965
1966	---	---	0	0	0.166	0.257	0.074	0.438	0	0	---	---	0.117	1966
1967	---	---	0	0	0	0.380	0.259	0.283	0	0	---	---	0.113	1967
1968	---	---	0	0	0.395	0.089	0.290	0.284	0	0.007	---	---	0.134	1968
1969	---	---	0	0	0.048	0.521	0	0.562	0.043	0.003	---	---	0.147	1969
1970	---	---	0	0	0.110	0.280	0.100	0.384	0	0.003	---	---	0.110	1970
1971	---	---	0	0	0.126	0.306	0.209	0.365	0	0.018	---	---	0.138	1971
1972	---	---	0	0	0.298	0.139	0.356	0.211	0.009	0	---	---	0.127	1972
1973	---	---	0	0	0.500	0	0.506	0.191	0.002	0	---	---	0.152	1973
1974	---	---	0	0	0	0.500	0.345	0.248	0	0.004	---	---	0.137	1974
1975	---	---	0	0	0.077	0.339	0.280	0.214	0	0.008	---	---	0.116	1975
1976	---	---	0	0	0.431	0.053	0.220	0.272	0	0.010	---	---	0.124	1976
1977	---	---	0	0	0.431	0.056	0.425	0	0	0.005	---	---	0.116	1977
1978	---	---	0	0	0.283	0.024	0.201	0.276	0	0	---	---	0.099	1978
1979	---	---	0	0	0.167	0.228	0.339	0.166	0	0	---	---	0.111	1979
1980	---	---	0	0	0.510	0.004	0.494	0.031	0	0	---	---	0.131	1980
1981	---	---	0	0	0.529	0	0	0	0	0	---	---	0.067	1981
1982	---	---	0	0	0.179	0.226	0.115	0.376	0	0	---	---	0.112	1982
1983	---	---	0	0	0.292	0.138	0.518	0.022	0	0	---	---	0.122	1983
1984	---	---	0	0.180	0.343	0	0	0	0	0.007	---	---	0.066	1984
1985	---	---	0	0	0.402	0.292	0	0	0	0.005	---	---	0.087	1985
1986	---	---	0	0	0.045	0.426	0.213	0.040	0.002	0	---	---	0.090	1986
1987	---	---	0	0	0.316	0.127	0.312	0.058	0	0	---	---	0.102	1987
1988	---	---	0	0	0.367	0	0	0	0.001	0.001	---	---	0.047	1988
1989	---	---	0	0	0.260	0	0	0	0.002	0	---	---	0.033	1989
1990	---	---	0	0	0.435	0.036	0.272	0.038	0	0.001	---	---	0.099	1990
MEAN	---	---	0	0.005	0.214	0.203	0.201	0.185	0.022	0.006	---	---	0.105	MEAN

LOCATION - LAT 49 22 20 N
LONG 107 53 05 W

REGULATED SINCE 1950

INTERNATIONAL GAUGING STATION

HUFF LAKE PUMPING CANAL - STATION NO. 11AC066

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	0.348 ON JUL 25	0 ON MAR 01 *	780	1950
1951	---	0.524 ON JUL 28	0 ON MAR 01	1 140	1951
1952	---	0.462 ON JUN 26	0 ON MAR 01	635	1952
1953	---	0.600 ON JUL 30	0 ON MAR 01	2 090	1953
1954	---	0.552 ON JUN 20	0 ON MAR 01	1 460	1954
1955	---	0.555 ON JUN 03	0 ON MAR 01	2 070	1955
1956	---	0.617 ON JUL 21	0 ON MAR 01	1 870	1956
1957	---	0.614 ON JUL 23	0 ON MAR 01	2 610	1957
1958	---	0.660 ON JUL 08	0 ON MAR 01	2 800	1958
1959	---	0.592 ON JUN 20	0 ON MAR 01	1 990	1959
1960	---	0.637 ON MAY 31	0 ON MAR 01	3 080	1960
1961	---	0.634 ON MAY 17	0 ON MAR 01	3 050	1961
1962	---	0.631 ON MAY 17	0 ON MAR 01	2 930	1962
1963	---	0.685 ON JUL 23	0 ON MAR 01	2 580	1963
1964	---	0.759 ON MAY 26	0 ON MAR 01	2 050	1964
1965	---	0.702 ON JUN 03	0 ON MAR 01	2 550	1965
1966	---	0.722 ON MAY 25	0 ON MAR 01	2 480	1966
1967	---	0.634 ON JUN 04	0 ON MAR 01	2 380	1967
1968	---	0.688 ON MAY 14	0 ON MAR 01	2 840	1968
1969	---	0.722 ON MAY 30	0 ON MAR 01	3 100	1969
1970	---	0.617 ON MAY 27	0 ON MAR 01	2 320	1970
1971	---	0.580 ON JUL 21	0 ON MAR 01	2 930	1971
1972	---	0.572 ON JUL 29	0 ON MAR 01	2 700	1972
1973	---	0.852 ON JUL 12	0 ON MAR 01	3 210	1973
1974	---	0.821 ON JUN 18	0 ON MAR 01	2 890	1974
1975	---	0.878 ON MAY 30	0 ON MAR 01	2 450	1975
1976	---	0.844 ON MAY 28	0 ON MAR 01	2 640	1976
1977	---	0.881 ON MAY 05 *	0 ON MAR 01	2 450	1977
1978	---	0.838 ON JUL 26	0 ON MAR 01	2 100	1978
1979	---	0.804 ON JUL 30	0 ON MAR 01	2 340	1979
1980	---	0.812 ON MAY 07	0 ON MAR 01	2 780	1980
1981	---	0.807 ON MAY 19	0 ON MAR 01	1 420	1981
1982	---	0.735 ON AUG 04	0 ON MAR 01	2 380	1982
1983	---	0.784 ON MAY 25	0 ON MAR 01	2 590	1983
1984	---	0.798 ON APR 30	0 ON MAR 01	1 400	1984
1985	---	0.737 ON MAY 16	0 ON MAR 01	1 850	1985
1986	---	0.684 ON JUN 01	0 ON MAR 01	1 910	1986
1987	---	0.784 ON JUL 20	0 ON MAR 01	2 160	1987
1988	---	0.735 ON MAY 09	0 ON MAR 01	989	1988
1989	---	0.731 ON MAY 09	0 ON MAR 01	700	1989
1990	---	0.709 ON MAY 11	0 ON MAR 01	2 090	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 220	MEAN

HUNTER CREEK NEAR RICHARDSON - STATION NO. 05JF014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.128	0.101	---	---	---	---	---	---	---	---	---	1978
1979	---	---	0	1.46	0.097	0.006	0	0	0	0	---	---	0.192	1979
1980	---	---	0.203	0.268	0	0	0	0	0	0	---	---	0.059	1980
1981	---	---	0	0	0	0	0.339	0	0	0	---	---	0.043	1981
1982	---	---	0	0.900	0.047	0.013	0	0	0	0	---	---	0.118	1982
1983	---	---	0	0.280	0.045	0.003	0.248	0.003	0	0	---	---	0.072	1983
1984	---	---	0.442	0.028	0.005	0	0	0	0	0	---	---	0.060	1984
1985	---	---	0.806	0.321	0.005	0	0	0	0	0	---	---	0.142	1985
1986	---	---	0.233	0.005	0.180	0	0	0	0	0	---	---	0.053	1986
1987	---	---	0.077	0.030	0.088	0.007	0	0	0	0	---	---	0.025	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.010	0	0.008	0	0	0	0	---	---	0.002	1989
1990	---	---	0.938	0.107	0.007	0	0	0	0	0	---	---	0.133	1990
MEAN	---	---	0.217	0.270	0.040	0.003	0.049	0	0	0	---	---	0.075	MEAN

LOCATION - LAT 50 23 16 N LONG 104 27 39 W DRAINAGE AREA, 135 km^2 NATURAL FLOW

HUNTER CREEK NEAR RICHARDSON - STATION NO. 05JF014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	14.0 AT 22:32 CST ON APR 20 *	11.6 ON APR 21 *	0B ON MAR 01 *	4 060	1979
1980	9.61 B AT 10:53 CST ON MAR 30	4.01 B ON MAR 31	0B ON MAR 01	1 240	1980
1981	12.9 AT 09:45 CST ON JUL 14	5.66 ON JUL 14	0 ON MAR 01	308	1981
1982	10.1 AT 02:53 CST ON APR 17	3.25 ON APR 17	0B ON MAR 01	2 490	1982
1983	2.45 AT 16:00 CST ON JUL 21	1.43 ON APR 12	0B ON MAR 01	1 530	1983
1984	5.39 B AT 09:10 CST ON MAR 25	4.62 B ON MAR 25	0B ON MAR 01	1 270	1984
1985	4.53 B AT 13:05 CST ON MAR 26	4.18 B ON MAR 26	0B ON MAR 01	3 000	1985
1986	2.38 AT 03:31 CST ON MAY 06	1.50 ON MAY 06	0B ON MAR 01	1 120	1986
1987	5.43 AT 20:23 CST ON MAY 28	1.49 ON MAY 28	0B ON MAR 01	539	1987
1988	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1988
1989	0.593 AT 00:56 CST ON JUN 12	0.206 ON JUN 12	0B ON MAR 01	45.8	1989
1990	5.01 AT 18:23 CST ON MAR 10	3.57 B ON MAR 11	0B ON MAR 01	2 810	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 580	MEAN

INDIANHEAD CREEK NEAR INDIAN HEAD - STATION NO. 05JL002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0.348	0.120	0	0	0.018	0	0	0	---	---	0.061	1941
1942	---	---	0.207	0.460	0	0	0	0	0	0	---	---	0.093	1942
1943	---	---	0.416	1.40	0	0	0	0	0	0	---	---	0.224	1943
1944	---	---	0	0.012	0	0	0	0	0	0	---	---	0.001	1944
1945	---	---	0	0	0	0	0	0	0	0	---	---	0	1945
1946	---	---	0.393	0.003	0	0	0	0	0	0	---	---	0.050	1946
1947	---	---	0	2.55	0.034	0.758	0.014	0	0	0	---	---	0.411	1947
1948	---	---	0	1.35	0.087	0	0	0	0	0	---	---	0.177	1948
1949	---	---	0.074	0.475	0.019	0.002	0	0	0	0	---	---	0.070	1949
1950	---	---	0.009	0.907	0	0	0	0	0	0	---	---	0.112	1950
1951	---	---	0	0.779	0.011	0	0	0	0	0	---	---	0.097	1951
1952	---	---	0.264	0.406	0	0	0	0	0	0	---	---	0.083	1952
1953	---	---	0.854	0.374	0	0.340	0.016	0	0	0	---	---	0.222	1953
1954	---	---	0	0.713	0.008	0.575	1.24	0.008	0.099	0.037	---	---	0.333	1954
1955	---	---	0.199	1.94	1.42	0.021	0.624	0	0	0	---	---	0.524	1955
1956	---	---	0	4.86	0.810	0.083	0	0.005	0	0	---	---	0.707	1956
1957	---	---	0.531	0.363	0.154	0.005	0	0.050	0	0	---	---	0.138	1957
1958	---	---	0.309	0.050	0	0	0	0	0	0	---	---	0.045	1958
1959	---	---	0.021	0	0	0.008	0	0	0	0	---	---	0.004	1959
1960	---	---	0.005	1.21	0	0	0	0	0	0	---	---	0.149	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	1.12	0	0.357	0	0	0	0	---	---	0.180	1962
1963	---	---	0.050	0	0	0	0.070	0	0	0	---	---	0.015	1963
1964	---	---	0	0.301	0	0	0	0	0	0	---	---	0.037	1964
1965	---	---	0	0.312	0.046	0.050	0	0	0	0	---	---	0.051	1965
1966	---	---	1.12	0.173	0.001	0	0	0	0	0	---	---	0.163	1966
1967	---	---	0	2.07	0.013	0	0	0	0	0	---	---	0.255	1967
1968	---	---	0.605	0	0	0	0	0.003	0	0	---	---	0.225	1968
1969	---	---	0	3.41	0.011	0	0	0	0	0	---	---	0.077	1969
1970	---	---	0	1.35	0.440	0.016	0	0	0	0	---	---	0.419	1970
1971	---	---	0.001	2.09	0	0	0	0	0	0	---	---	0.222	1971
1972	---	---	0.290	0.130	0	0	0	0	0	0	---	---	0.255	1972
1973	---	---	0.005	0	0	0	0	0	0	0	---	---	0.053	1973
1974	---	---	0	3.29	0.587	0.016	0.454	0	0	0	---	---	0.058	1974
1975	---	---	0	4.52	0.298	0	0	0	0	0	---	---	0.479	1975
1976	---	---	0	4.93	0.001	0.450	0.006	0	0	0	---	---	0.591	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0.659	1977
1978	---	---	0.832	0.149	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	3.20	0.062	0	0	0	0	0	---	---	0.123	1979
1980	---	---	0.377	0.915	0	0	0	0	0	0	---	---	0.400	1980
1981	---	---	0	0	0	0	0.014	0	0	0	---	---	0.160	1981
1982	---	---	0	2.97	0	0	0.149	0	0	0	---	---	0.002	1982
1983	---	---	0	1.93	0.058	0	0.836	0.003	0	0.001	---	---	0.382	1983
1984	---	---	0.033	0.026	0	0	0	0	0	0	---	---	0.350	1984
1985	---	---	1.22	0.279	0	0	0	0	0	0	---	---	0.007	1985
1986	---	---	0.335	0	0.275	0	0	0	0	0	---	---	0.189	1986
1987	---	---	0.272	0.017	0	0	0	0	0	0	---	---	0.077	1987
1988	---	---	0	0.009	0	0	0	0	0	0	---	---	0.037	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0.001	1989
1990	---	---	1.92	0.480	0	0	0	0	0	0	---	---	0	1990
MEAN	---	---	0.215	1.04	0.087	0.053	0.069	0.001	0.002	0.001	---	---	0.301	MEAN

LOCATION - LAT 50 38 42 N DRAINAGE AREA, 327 km²
LONG 103 36 14 W NATURAL FLOW

REMARKS - PRIOR TO JUNE 25 1955, RECORDS WERE OBTAINED ABOUT 0.8 KM UPSTREAM

INDIANHEAD CREEK NEAR INDIAN HEAD - STATION NO. 05JL002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	5.75 ON MAR 30	0 ON MAR 01 *	1 290	1941
1942	---	6.29 ON APR 01	0B ON MAR 01	1 960	1942
1943	---	11.3 ON APR 03	0 ON MAR 01	4 740	1943
1944	---	0.255 ON APR 07	0 ON MAR 01	30.6	1944
1945	---	0 ON MAR 01	0 ON MAR 01	0	1945
1946	---	2.32 B ON MAR 25	0B ON MAR 01	1 060	1946
1947	---	12.5 ON APR 13	0B ON MAR 01	8 700	1947
1948	---	10.1 B ON APR 20	0B ON MAR 01	3 740	1948
1949	---	4.67 ON APR 02	0B ON MAR 01	1 480	1949
1950	---	5.55 B ON APR 15	0B ON MAR 01	2 380	1950
1951	---	2.41 ON APR 13	0B ON MAR 01	2 050	1951
1952	---	5.47 ON MAR 31	0B ON MAR 01	1 760	1952
1953	---	10.4 B ON MAR 31	0B ON MAR 01	4 700	1953
1954	---	8.21 ON JUN 08	0B ON MAR 01	7 060	1954
1955	---	10.7 ON MAY 03	0B ON MAR 01	11 100	1955
1956	33.4 AT 23:00 CST ON APR 13	28.0 ON APR 14	0B ON MAR 01	15 000	1956
1957	7.79 B AT 21:00 CST ON MAR 21	4.70 B ON MAR 21	0B ON MAR 01	2 920	1957
1958	6.91 B AT 21:00 CST ON MAR 24	2.97 B ON MAR 24	0B ON MAR 01	958	1958
1959	0.589 AT 20:30 CST ON JUN 27	0.184 ON MAR 25	0 ON MAR 01	77.0	1959
1960	---	12.5 ON APR 04	0B ON MAR 01	3 140	1960
1961	---	0 ON MAR 01	0 ON MAR 01	0	1961
1962	19.6 AT 22:00 CST ON JUN 12	8.21 ON APR 06	0B ON MAR 01	3 820	1962
1963	2.59 AT 22:00 CST ON JUL 09	0.711 ON JUL 10	0B ON MAR 01	319	1963
1964	3.65 B AT 21:40 CST ON APR 02	2.27 B ON APR 03	0B ON MAR 01	779	1964
1965	4.33 AT 20:00 CST ON APR 11	3.31 B ON APR 11	0B ON MAR 01	1 080	1965
1966	13.5 AT 22:00 CST ON MAR 29	7.53 ON MAR 30	0B ON MAR 01	1 440	1966
1967	19.8 AT 00:05 CST ON APR 12	12.8 B ON APR 11	0B ON MAR 01	5 400	1967
1968	7.16 B AT 03:30 CST ON MAR 08	5.95 B ON MAR 08	0B ON MAR 01	1 620	1968
1969	25.3 AT 19:20 CST ON APR 10	22.3 ON APR 10	0 ON MAR 01	8 880	1969
1970	20.9 AT 21:30 CST ON APR 07	16.7 ON APR 07	0B ON MAR 01	4 710	1970
1971	24.9 B AT 20:30 CST ON APR 07	19.2 B ON APR 07	0B ON MAR 01	5 410	1971
1972	3.43 B AT 19:30 CST ON MAR 22	2.75 B ON MAR 22	0B ON MAR 01	1 110	1972
1973	12.0 AT 18:39 CST ON JUL 01	8.41 ON JUL 01	0B ON MAR 01	1 230	1973
1974	32.6 AT 21:04 CST ON APR 17	28.1 ON APR 18	0B ON MAR 01	10 100	1974
1975	27.5 AT 21:34 CST ON APR 28	21.0 ON APR 28	0B ON MAR 01	12 500	1975
1976	41.6 AT 17:54 CST ON APR 08	31.7 ON APR 08	0B ON MAR 01	14 000	1976
1977	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1977
1978	13.7 AT 22:35 CST ON MAR 29	8.47 ON MAR 29	0 ON MAR 01	2 610	1978
1979	40.1 AT 21:21 CST ON APR 20	25.9 B ON APR 20	0B ON MAR 01	8 470	1979
1980	13.3 B AT 19:33 CST ON MAR 30	6.62 ON APR 01	0B ON MAR 01	3 380	1980
1981	1.01 AT 17:13 CST ON JUL 14	0.320A ON JUL 14	0 ON MAR 01	37.7	1981
1982	44.2 AT 00:14 CST ON APR 14 *	34.7 A ON APR 14 *	0B ON MAR 01	8 090	1982
1983	16.4 AT 19:57 CST ON APR 19	15.3 ON APR 19	0B ON MAR 01	7 420	1983
1984	5.98 B AT 21:25 CST ON MAR 24	0.343B ON MAR 24	0B ON MAR 01	156	1984
1985	8.20 B AT 22:35 CST ON MAR 20	6.84 B ON MAR 20	0B ON MAR 01	3 990	1985
1986	5.65 AT 10:51 CST ON MAY 06	4.08 ON MAY 06	0 ON APR 03	1 640	1986
1987	2.59 B AT 23:23 CST ON MAR 23	1.73 B ON MAR 23	0B ON MAR 01	774	1987
1988	0.088 AT 12:32 CST ON APR 13	0.081 ON APR 14	0 ON MAR 01	23.7	1988
1989	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1989
1990	39.9 E AT 18:58 CST ON MAR 30	25.8 B ON MAR 30	0B ON MAR 01	6 370	1990
				3 830	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

INVERNESS CREEK NEAR BRODERICK - STATION NO. 05HG021

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.067	0.033	0	0	0	0	0	0	---	---	0.013	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.050	0.231	0	0	0	0.003	0	0	---	---	0.035	1982
1983	---	0	0.019	0.005	0	0	0.053	0.002	0	0	---	---	0.010	1983
1984	---	---	0.043	0.001	0	0	0	0	0	0	---	---	0.006	1984
1985	---	---	0.269	0.094	0.002	0	0	0	0	0	---	---	0.046	1985
1986	---	0.013	0.071	0	0	0	0	0	0	0	---	---	0.009	1986
1987	---	---	0.109	0.031	0	0	0	0	0	0	---	---	0.017	1987
1988	---	0	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1989
1990	---	0.001	0.081	0	0	0	0	0	0	0	---	---	0.010	1990
MEAN	---	0.003	0.065	0.036	0	0	0.005	0	0	0	---	---	0.013	MEAN

LOCATION - LAT 51 30 16 N
LONG 106 49 18 W
DRAINAGE AREA, 61.4 km^2
NATURAL FLOW

INVERNESS CREEK NEAR BRODERICK - STATION NO. 05HG021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	0.955B AT 13:01 CST ON MAR 29	0.475 ON MAR 30	OB ON MAR 01 *	266	1980
1981	0.014 AT 14:10 CST ON JUN 14	0.002 ON JUN 14	OB ON MAR 05	0.605	1981
1982	2.25 AT 01:18 CST ON MAR 31	0.937B ON MAR 31	OB ON MAR 01	741	1982
1983	3.71 AT 21:49 CST ON JUL 20 *	0.805 ON JUL 21	OB ON MAR 01	212	1983
1984	0.999B AT 07:53 CST ON MAR 22	0.310B ON MAR 22	OB ON MAR 01	119	1984
1985	2.97 B AT 15:01 CST ON MAR 21	1.15 B ON MAR 21 *	OB ON MAR 01	968	1985
1986	0.804B AT 16:22 CST ON MAR 03	0.455B ON MAR 03	OB ON MAR 23	190	1986
1987	0.449B AT 18:30 CST ON MAR 31	0.428B ON MAR 26	OB ON MAR 01	370	1987
1988	0.004B AT 14:28 CST ON FEB 26	0.001B ON MAR 02	OB ON MAR 01	1.04	1988
1989	0.167B AT 17:13 CST ON MAR 25	0.031B ON MAR 25	OB ON MAR 01	4.41	1989
1990	0.410 AT 18:59 CST ON MAR 07	0.278B ON MAR 07	OB ON MAR 25	217	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		281	MEAN

IRONSPRING CREEK NEAR WATSON - STATION NO. 05MA012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	0.176	0.308	0.061	0.020	0.002	0.085	---	---	---	1926
1963	---	---	0.066	0.227	0.086	0.060	0.028	0.002	0	0.001	---	---	0.058	1963
1964	---	---	0	1.01	0.124	0.002	0.011	0.004	0.015	0.016	---	---	0.145	1964
1965	---	---	0	2.32	0.089	0.482	0.270	0.013	0.028	0.014	---	---	0.396	1965
1966	---	---	0	2.86	0.210	0.274	0.042	0.564	0.021	0.019	---	---	0.492	1966
1967	---	---	0	1.21	3.69	0.106	0.007	0	0.002	0.004	---	---	0.629	1967
1968	---	---	0.589	0.279	0.065	0.004	0.002	0.016	0.018	0.045	---	---	0.127	1968
1969	---	---	0	2.70	0.630	0.062	0.008	0.001	0.002	0.162	---	---	0.439	1969
1970	---	---	0.053	3.54	1.43	0.342	0.053	0.006	0.004	0.005	---	---	0.671	1970
1971	---	---	0	1.44	0.740	0.236	0.343	0.030	0.005	0.016	---	---	0.312	1971
1972	---	---	0	5.99	2.62	0.166	0.003	0.001	0.004	0.009	---	---	1.09	1972
1973	---	---	0.041	0.100	0.064	1.11	0.201	0.020	0.006	0.010	---	---	0.191	1973
1974	---	---	0	3.66	3.06	0.190	0.010	0.051	0.087	0.050	---	---	0.883	1974
1975	---	---	0	1.84	4.02	0.363	0.027	0.040	0.018	0.015	---	---	0.790	1975
1976	---	---	0.018	2.60	0.309	1.30	0.475	0.109	0.002	0.010	---	---	0.594	1976
1977	---	---	0	0.150	0.287	0.459	0	0	0	0	---	---	0.111	1977
1978	---	---	0.368	2.67	0.812	0.050	0.114	0	0	0	---	---	0.497	1978
1979	---	---	0	7.50	4.95	0.350	0.003	0	0	0	---	---	1.59	1979
1980	---	---	0	3.32	0.269	0	0	0	0	0	---	---	0.440	1980
1981	---	0	0.005	0.014	0.035	0.001	0	0	0	0	---	---	0.007	1981
1982	---	---	0.020	0.299	0.202	0.630	0.120	0.079	0.003	0.007	---	---	0.168	1982
1983	---	---	0	0.817	0.817	1.11	1.34	0.195	0.005	0.003	---	---	0.534	1983
1984	---	---	0.404	0.204	0.087	0.115	0.008	0	0	0	---	---	0.102	1984
1985	---	---	0	10.1	2.51	0.003	0	0	0	0	---	---	1.56	1985
1986	---	---	1.10	0.429	0.446	0.187	0.021	0	0	0	---	---	0.274	1986
1987	---	---	0.007	0.801	0.208	0.085	0.017	0	0	0	---	---	0.138	1987
1988	---	---	0	5.73	0.197	0.048	0.007	0	0	0.003	---	---	0.734	1988
1989	---	---	0.001	0.223	0.001	0	0	0	0	0	---	---	0.027	1989
1990	---	---	0.068	2.30	0.670	0.229	0.022	0	0	0	---	---	0.406	1990
MEAN	---	0	0.098	2.29	0.993	0.285	0.110	0.040	0.008	0.016	---	---	0.479	MEAN

LOCATION - LAT 52 03 25 N DRAINAGE AREA, 588 km^2
LONG 104 29 56 W REGULATED

REMARKS - RECORDS PRIOR TO 1977 COLLECTED IN NE20-36-18-W2

IRONSPRING CREEK NEAR WATSON - STATION NO. 05MA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	0 ON AUG 29 *	---	1926
1963	---	0.399B ON MAR 28	0B ON MAR 01	1 230	1963
1964	---	4.05 B ON APR 12	0B ON MAR 01	3 070	1964
1965	8.27 B AT 22:00 CST ON APR 12	7.87 B ON APR 13	0B ON MAR 01	8 370	1965
1966	6.88 AT 20:00 CST ON APR 06	5.80 ON APR 07	0B ON MAR 01	10 400	1966
1967	14.1 AT 15:00 CST ON MAY 02	12.6 ON MAY 01	0B ON MAR 01	13 300	1967
1968	4.11 B AT 20:00 CST ON MAR 29	3.60 B ON MAR 30	0B ON MAR 01	2 700	1968
1969	11.7 AT 02:00 CST ON APR 13	11.6 ON APR 13	0B ON MAR 01	9 300	1969
1970	7.90 AT 16:08 CST ON APR 30	7.59 ON APR 22	0B ON MAR 01	14 200	1970
1971	2.94 AT 03:20 CST ON APR 15	2.89 ON JUL 25	0B ON MAR 01	6 610	1971
1972	15.6 AT 15:09 CST ON APR 22	14.9 ON APR 22	0B ON MAR 01	23 000	1972
1973	3.45 AT 12:37 CST ON JUN 04	2.94 ON JUN 04	0B ON MAR 01	4 040	1973
1974	11.6 AT 15:15 CST ON APR 21	10.9 ON APR 22	0B ON MAR 01	18 700	1974
1975	11.9 AT 16:02 CST ON MAY 02	11.4 ON MAY 02	0B ON MAR 01	16 700	1975
1976	7.93 AT 17:29 CST ON APR 12	7.70 ON APR 12	0B ON MAR 01	12 600	1976
1977	2.00 AT 04:45 CST ON MAY 29	1.94 ON MAY 29	0B ON MAR 01	2 350	1977
1978	9.77 AT 04:12 CST ON APR 09	8.72 ON APR 10	0B ON MAR 01	10 500	1978
1979	29.6 AT 20:10 CST ON APR 23 *	27.2 ON APR 23 *	0B ON MAR 01	33 600	1979
1980	9.30 AT 09:41 CST ON APR 16	9.18 ON APR 16	0B ON MAR 01	9 320	1980
1981	0.270 AT 09:11 CST ON MAY 20	0.147 ON MAY 20	0B ON MAR 01	146	1981
1982	2.49 B AT 09:05 CST ON APR 14	2.37 ON JUN 03	0B ON MAR 01	3 570	1982
1983	9.05 B AT 20:26 CST ON APR 19	4.84 ON JUL 04	0B ON MAR 01	11 300	1983
1984	3.61 B AT 10:37 CST ON MAR 30	2.28 B ON MAR 27	0B ON MAR 01	2 160	1984
1985	23.5 AT 20:42 CST ON APR 20	20.6 ON APR 20	0B ON MAR 01	33 000	1985
1986	9.21 B AT 03:22 CST ON MAR 30	7.10 B ON MAR 29	0B ON MAR 01	5 790	1986
1987	6.57 B AT 16:52 CST ON APR 05	5.49 B ON APR 05	0B ON MAR 01	2 930	1987
1988	25.4 B AT 19:13 CST ON APR 03	18.0 B ON APR 04	0B ON MAR 01	15 500	1988
1989	1.72 B AT 00:06 CST ON APR 05	1.19 B ON APR 05	0B ON MAR 01	582	1989
1990	15.1 B AT 17:11 CST ON APR 03	12.7 B ON APR 03	0B ON MAR 01	8 600	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 100	MEAN

ISKWAO CREEK NEAR CRAIK - STATION NO. 05JG014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.024	0.001	0	0	0	0	0	0	---	---	0.003	1972
1973	---	---	0.050	0.001	0.001	0.005	0	0	0	0	---	---	0.007	1973
1974	---	---	0	3.82	0.147	0.016	0	0	0	0	---	---	0.488	1974
1975	---	---	0	0.305	0.022	0	0	0	0	0	---	---	0.040	1975
1976	---	---	0.106	0.775	0.015	0.003	0.016	0	0	0	---	---	0.113	1976
1977	---	---	0	0	0.021	0.009	0.073	0.001	0	0	---	---	0.013	1977
1978	---	---	0.199	0.175	0.006	0	0	0	0	0	---	---	0.048	1978
1979	---	---	0.091	1.60	0.074	0	0	0	0	0	---	---	0.217	1979
1980	---	---	0.303	0.133	0	0	0	0	0	0	---	---	0.055	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	1.10	0.007	0.012	0.037	0.001	0	0	---	---	0.142	1982
1983	---	0	0.126	0.300	0.009	0	0.123	0.003	0	0	---	---	0.070	1983
1984	---	---	0.159	0.018	0	0	0	0	0	0	---	---	0.022	1984
1985	---	---	0.310	1.57	0.038	0	0	0	0	0	---	---	0.236	1985
1986	---	---	0.170	0.008	0	0	0	0	0	0	---	---	0.024	1986
1987	---	---	0.145	0.104	0	0	0	0	0	0	---	---	0.031	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0.347	0.025	0	0	0	0	0	0	---	---	0.047	1990
MEAN	---	0	0.107	0.523	0.018	0.002	0.013	0	0	0	---	---	0.082	MEAN

LOCATION - LAT 50 58 44 N DRAINAGE AREA, 361 km²
LONG 105 57 34 W REGULATED

ISKWAO CREEK NEAR CRAIK - STATION NO. 05JG014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	0.796B AT 01:40 CST ON MAR 22	0.487B ON MAR 22	0B ON MAR 01 *	66.6	1972
1973	0.263 AT 02:10 CST ON MAR 17	0.218 ON MAR 18	0B ON MAR 01	151	1973
1974	24.5 AT 06:51 CST ON APR 20 *	21.1 ON APR 20 *	0B ON MAR 01	10 300	1974
1975	1.76 AT 14:32 CST ON APR 22	1.29 ON APR 22	0B ON MAR 01	851	1975
1976	7.37 AT 18:50 CST ON APR 01	2.73 ON APR 01	0B ON MAR 01	2 380	1976
1977	0.830 AT 15:40 CST ON JUL 16	0.609 ON JUL 17	0B ON MAR 01	277	1977
1978	1.71 AT 13:05 CST ON APR 01	1.43 ON APR 01	0B ON MAR 01	1 010	1978
1979	8.18 AT 23:40 CST ON APR 18	7.79 ON APR 19	0B ON MAR 01	4 600	1979
1980	3.23 B AT 22:08 CST ON MAR 30	2.62 B ON MAR 30	0B ON MAR 01	1 160	1980
1981	0 B AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1981
1982	10.1 B AT 16:45 CST ON APR 14	8.57 B ON APR 14	0B ON MAR 01	3 010	1982
1983	2.62 B AT 15:44 CST ON APR 02	1.89 B ON APR 01	0B ON MAR 01	1 480	1983
1984	1.14 B AT 21:56 CST ON MAR 20	0.871B ON MAR 21	0B ON MAR 01	472	1984
1985	8.53 AT 19:29 CST ON APR 02	7.52 ON APR 03	0B ON MAR 01	4 990	1985
1986	0.920B AT 08:18 CST ON MAR 06	0.631B ON MAR 03	0B ON MAR 01	498	1986
1987	1.17 B AT 20:16 CST ON MAR 05	0.841B ON MAR 31	0B ON MAR 01	657	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1989
1990	1.20 B AT 11:11 CST ON MAR 15	0.947B ON MAR 11	0 ON APR 14	994	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 730	MEAN

JACKFISH RIVER NEAR PRINCE - STATION NO. 05EG002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	0.867	1.79	0.803	0.277	0.222	0.249	---	---	---	1920
1921	---	---	---	---	20.5	6.90	2.60	1.35	1.42	1.50	---	---	---	1921
MEAN	---	---	---	---	10.7	4.35	1.70	0.814	0.821	0.875	---	---	---	MEAN

LOCATION - LAT 52 55 45 N DRAINAGE AREA, 3 460 km²
LONG 108 24 39 W NATURAL FLOW

JACKFISH RIVER NEAR PRINCE - STATION NO. 05EG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0R ON AUG 23 *	---	1919
1920	---	---	---	---	1920
1921	---	27.0 ON MAY 07 *	---	---	1921
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

JACKFISH RIVER NEAR PRINCE - STATION NO. 05EG007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	0.341	6.90	3.34	6.21	---	---	---	---	---	---	1970
1971	---	---	0	0.010	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	---	---	1.26	---	---	---	---	---	---	---	1973
1974	---	---	0	0.912	10.1	8.36	---	---	---	---	---	---	---	1974
1975	---	---	0	0.092	1.33	0.599	3.03	0.105	0.022	0	---	---	0.652	1975
1976	---	---	0	0.088	0.005	0.001	0.018	0	0	0	---	---	0.014	1976
1977	---	---	0	0.001	0.009	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.001	0.001	0	0	0	0	0	0.077	---	---	0.010	1978
1979	---	---	0	0	2.77	4.84	0.374	0.070	0	0	---	---	0.999	1979
1980	---	---	0	0	0	0.026	0.001	0	0	0	---	---	0.003	1980
1981	---	---	0	0	0.233	0	0	0	0	0.208	---	---	0.056	1981
1982	---	---	0	0	0	0	0	0	0	0.244	---	---	0.031	1982
1983	---	---	0	0	0	0	0.124	0	0	0	---	---	0.016	1983
1984	---	---	0	3.07	4.59	2.86	0.594	0	0	0	---	---	1.38	1984
1985	---	---	0	1.33	9.67	5.91	2.00	0	0	0	---	---	2.36	1985
1986	---	---	0	0	4.27	0.192	0	0	0	0	---	---	0.564	1986
1987	---	---	0	0	---	---	---	---	---	---	---	---	---	1987
MEAN	---	---	0	0.365	2.85	1.83	0.950	0.015	0.002	0.044	---	---	0.507	MEAN

LOCATION - LAT 53 01 14 N DRAINAGE AREA, 3 320 km²
LONG 108 21 55 W REGULATED

REMARKS - RECORDS WERE COLLECTED IN NW15-46-17-W3 FROM 1970-71 AND 1973-78

JACKFISH RIVER NEAR PRINCE - STATION NO. 05EG007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	0B ON APR 01 *	---	1970
1971	---	---	0B ON MAR 01	---	1971
1973	---	---	0E ON JUN 01	---	1973
1974	---	10.6 ON MAY 09	0B ON MAR 01	---	1974
1975	---	6.06 ON MAY 13	0B ON MAR 01	13 800	1975
1976	---	0.597 ON APR 17	0B ON MAR 01	293	1976
1977	---	0.048E ON MAY 16	0B ON MAR 01	27.3	1977
1978	---	0.493 ON OCT 04	0B ON MAR 01	212	1978
1979	6.74 AT 16:10 CST ON JUN 06	6.55 R ON JUN 06	0B ON MAR 01	21 200	1979
1980	0.337 AT 13:20 CST ON JUN 20	0.275 ON JUN 19	0B ON MAR 01	73.5	1980
1981	---	2.96 A ON MAY 14	0B ON MAR 01	1 180	1981
1982	2.47 AT 11:00 CST ON OCT 19	2.40 ON OCT 20	0B ON MAR 01	654	1982
1983	0.525 AT 03:08 CST ON JUL 12	0.517 ON JUL 11	0B ON MAR 01	333	1983
1984	---	10.0 ON APR 17	0B ON MAR 01	29 300	1984
1985	10.9 AT 15:38 CST ON MAY 05 *	10.9 ON MAY 05 *	0B ON MAR 01	50 000	1985
1986	5.59 AT 11:59 CST ON MAY 05	5.56 ON MAY 05	0B ON MAR 01	11 900	1986
1987	---	---	0B ON MAR 01	---	1987
				10 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

JEWEL CREEK NEAR GOODWATER - STATION NO. 05NB014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0	0	0	0.010	0.004	0	0	0	---	---	0.002	1959
1960	---	---	1.27	1.27	0.011	0	0	0	0	0	---	---	0.318	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.191	0	0	0	0	0	0	---	---	0.023	1962
1963	---	---	0.094	0.035	0	0.434	0.006	0	0	0	---	---	0.070	1963
1964	---	---	0	0.555	0.030	0.002	0	0	0	0	---	---	0.072	1964
1965	---	---	0	0.982	1.34	0.481	0.245	0.002	0.049	0.015	---	---	0.387	1965
1966	---	---	0.495	0.061	0.015	0.001	0	0	0	0	---	---	0.072	1966
1967	---	---	0.003	0.532	0.583	0.007	0	0	0	0	---	---	0.140	1967
1968	---	---	0	0	0	0	0	0.234	0.051	0.002	---	---	0.036	1968
1969	---	---	0	4.13	0.129	0.002	0.004	0	0	0	---	---	0.522	1969
1970	---	---	0	1.69	2.39	0.078	0.003	0.001	0	0	---	---	0.520	1970
1971	---	---	0.032	1.27	0.013	0	0	0	0	0	---	---	0.161	1971
1972	---	---	1.93	0.112	0.011	0.118	0.002	0	0	0	---	---	0.274	1972
1973	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1973
1974	---	---	0	4.18	0.122	0.044	0.022	0.003	0	0	---	---	0.536	1974
1975	---	---	0.001	3.78	0.613	0.002	0.001	0	0	0	---	---	0.541	1975
1976	---	---	0.988	4.86	0.014	1.15	0.021	0.010	0	0	---	---	0.866	1976
1977	---	---	0	0.001	0.002	0	0	0	0	0	---	---	0	1977
1978	---	---	1.70	0.231	0.003	0.291	1.93	0.004	0.141	0.036	---	---	0.546	1978
1979	---	---	0.018	6.05	1.16	0.028	0	0	0.002	0	---	---	0.893	1979
1980	---	---	0.077	0.027	0	0	0	0	0	0	---	---	0.013	1980
1981	---	0.009	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	3.36	0.078	0.004	0	0	0	0	---	---	0.422	1982
1983	---	---	0	1.99	0.058	0.004	0	0	0	0	---	---	0.251	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.102	0.003	0	0	0	0	0	0	---	---	0.013	1985
1986	---	---	0.088	0.005	0.102	0.013	0.023	0.007	0	0	---	---	0.030	1986
1987	---	---	0.400	0.403	0.003	0	0	0	0	0	---	---	0.100	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.020	0.001	0	0	0	0	0	---	---	0.003	1989
1990	---	---	0	0.003	0	0	0.100	0.001	0	0	---	---	0.013	1990
MEAN	---	0.009	0.225	1.12	0.209	0.083	0.074	0.008	0.008	0.002	---	---	0.213	MEAN

LOCATION - LAT 49 23 10 N LONG 103 42 42 W DRAINAGE AREA, 209 km² REGULATED

JEWEL CREEK NEAR GOODWATER - STATION NO. 05NB014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	---	0.133 ON JUN 29	0 ON MAR 01 *	38.5	1959
1960	---	13.8 ON MAR 29	0B ON MAR 01	6 720	1960
1961	---	0 ON MAR 01	0 ON MAR 01	0	1961
1962	---	1.17 ON APR 05	0 ON MAR 01	494	1962
1963	---	2.82 ON JUN 09	0B ON MAR 01	1 480	1963
1964	---	2.00 ON APR 07	0 ON MAR 01	1 530	1964
1965	---	8.86 ON MAY 08	0B ON MAR 01	8 200	1965
1966	---	1.73 ON MAR 20	0B ON MAR 01	1 530	1966
1967	---	3.68 ON MAY 02	0B ON MAR 01	2 970	1967
1968	---	1.80 ON AUG 27	0 ON MAR 01	764	1968
1969	---	43.3 ON APR 10 *	0B ON MAR 01	11 100	1969
1970	---	17.2 ON MAY 04	0B ON MAR 01	11 000	1970
1971	---	13.8 B ON APR 08	0B ON MAR 01	3 400	1971
1972	10.8 B AT 16:00 CST ON MAR 20	9.49 B ON MAR 20	0B ON MAR 01	5 790	1972
1973	---	0.001 ON APR 20	0B ON MAR 01	2.33	1973
1974	41.6 AT 20:57 CST ON APR 17	30.9 ON APR 17	0B ON MAR 01	11 300	1974
1975	27.6 B AT 17:51 CST ON APR 21	22.5 B ON APR 21	0B ON MAR 01	11 500	1975
1976	31.1 AT 00:19 CST ON APR 04	26.9 ON APR 04	0B ON MAR 01	18 300	1976
1977	0.009 AT 22:46 CST ON MAY 20	0.006 ON MAY 20	0B ON MAR 01	6.48	1977
1978	19.6 B AT 12:01 CST ON MAR 28	17.2 ON JUL 10	0B ON MAR 01	11 600	1978
1979	47.9 B AT 01:22 CST ON APR 22 *	38.5 B ON APR 22	0B ON MAR 01	18 900	1979
1980	0.735B AT 10:29 CST ON MAR 24	0.371B ON MAR 25	0B ON MAR 01	276	1980
1981	0.345 AT 11:22 CST ON FEB 18	0.001 ON MAR 01	0 ON MAR 03	0.173	1981
1982	43.8 B AT 03:03 CST ON APR 18	31.0 B ON APR 18	0B ON MAR 01	8 930	1982
1983	12.3 AT 08:59 CST ON APR 12	10.5 ON APR 12	0B ON MAR 01	5 320	1983
1984	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1984
1985	2.03 B AT 16:30 CST ON MAR 11	0.814B ON MAR 12	0B ON MAR 01	283	1985
1986	0.956 AT 10:44 CST ON JUN 19	0.588 ON MAY 14	0 ON MAY 02	635	1986
1987	2.82 B AT 15:26 CST ON MAR 29	2.71 B ON MAR 30	0B ON MAR 01	2 130	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	0.178B AT 18:00 CST ON APR 02	0.120B ON APR 03	0B ON MAR 01	53.9	1989
1990	0.749 AT 06:13 CST ON JUL 10	0.603 ON JUL 10	0 ON MAR 01	277	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 520	MEAN

JONES CREEK AT READ'S RANCH - STATION NO. 05HD002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	---	0.051	---	---	---	1909
1910	---	---	---	0.122	0.030	0.010	0.017	0.003	0.009	0.013	---	---	0.029	1910
1911	---	---	---	0.468	0.083	0.087	0.036	0.015	---	---	---	---	---	1911
MEAN	---	---	---	0.295	0.057	0.049	0.027	0.009	0.009	0.032	---	---	0.029	MEAN

LOCATION - LAT 49 37 10 N DRAINAGE AREA, 136 km²
LONG 108 40 20 W NATURAL FLOW

JONES CREEK AT READ'S RANCH - STATION NO. 05HD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0.204 ON APR 12 *	0 ON JUL 29 *	532	1910
1911	---	---	---	---	1911
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		532	MEAN

JONES CREEK AT STEARNS' RANCH - STATION NO. 05HD009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	0.072	0.034	0.028	0.026	0.029	---	---	---	1912
1913	---	---	---	---	0.078	0.036	0.030	0.015	0.016	0.022	---	---	---	1913
1914	---	---	---	0.196	0.050	0.032	0.004	0	0	0	---	---	---	1914
1915	---	---	---	0.164	0.085	0.245	0.077	0.025	---	---	---	---	---	1915
MEAN	---	---	---	0.180	0.071	0.096	0.036	0.017	0.014	0.017	---	---	---	MEAN

LOCATION - LAT 49 39 10 N DRAINAGE AREA, 87.3 km²
LONG 108 40 30 W NATURAL FLOW

JONES CREEK AT STEARNS' RANCH - STATION NO. 05HD009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0E ON JUL 19 *	---	1914
1915	---	1.13 ON JUN 20 *	---	---	1915
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

JUMPING DEER CREEK NEAR LIPTON - STATION NO. 05JK004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0.002	0.264	0.017	0	0	0	0	0	---	---	0.035	1941
1942	---	---	0.047	0.462	0.012	0.032	0.279	0.086	0.107	0.041	---	---	0.132	1942
1943	---	---	0	2.63	0.107	0.011	0.001	0	0	0	---	---	0.337	1943
1944	---	---	0	0.372	0.014	0.049	0.009	0	0	0	---	---	0.054	1944
1945	---	---	0.080	0.024	0.010	0.011	0.001	0	0	0	---	---	0.016	1945
1946	---	---	0.140	0.038	0.014	0.007	0.031	0.002	0	0.015	---	---	0.031	1946
1947	---	---	0	1.14	0.062	0.057	0.005	0	0	0	---	---	0.155	1947
1948	---	---	0	0.678	0.136	0.010	0	0	0	0	---	---	0.107	1948
1949	---	---	0	0.048	0.003	0.001	0	0.002	0	0	---	---	0.007	1949
1950	---	---	0	0.989	0.023	0.123	0.021	0.001	0.005	0	---	---	0.143	1950
1951	---	---	0	---	0.036	0.017	0.004	0	0.017	0.029	---	---	---	1951
1952	---	---	0.144	0.251	0.012	0.038	0.010	0.002	0.015	0.015	---	---	0.060	1952
1953	---	---	0.346	1.26	0.083	0.123	0.059	0.011	0.007	0.009	---	---	0.235	1953
1954	---	---	0	1.18	0.123	0.264	0.270	0.119	0.402	0.333	---	---	0.333	1954
1955	---	---	0.082	1.49	2.91	0.926	0.402	0.018	0.003	0.012	---	---	0.730	1955
1956	---	---	0.016	2.07	0.503	0.258	0.101	0.018	0.011	0.021	---	---	0.370	1956
1957	---	---	0.367	0.775	0.198	0.029	0.003	0.013	0.005	0.005	---	---	0.173	1957
1958	---	---	0.339	0.257	0.018	0.007	0.003	0.001	0.005	0.011	---	---	0.080	1958
1959	---	---	0.089	0.043	0.025	0.042	0.006	0	0.001	0.009	---	---	0.027	1959
1960	---	---	0	0.508	0.043	0.043	0	0	0	0	---	---	0.073	1960
1961	---	---	0.015	0.044	0.020	0.004	0	0	0	0.001	---	---	0.011	1961
1962	---	---	0	0.227	0.041	0.031	0.006	0	0	0.001	---	---	0.038	1962
1963	---	---	0.139	0.036	0.028	0.035	0.018	0.003	0.003	0.003	---	---	0.033	1963
1964	---	---	0	0.193	0.017	0.004	0	0.002	0	0	---	---	0.026	1964
1965	---	---	0	0.112	0.031	0.047	0.037	0.023	0	0	---	---	0.031	1965
1966	---	---	0.134	0.452	0.025	0.044	0.011	0.032	0	0.003	---	---	0.087	1966
1967	---	---	0	0.433	0.144	0.021	0.002	0	0	0.040	---	---	0.079	1967
1968	---	---	0.516	0.092	0.008	0.008	0.002	0.004	0.005	0.013	---	---	0.082	1968
1969	---	---	0	1.26	0.038	0.025	0.051	0	0	0.013	---	---	0.170	1969
1970	---	---	0.087	0.482	0.074	0.033	0.006	0.002	0	0.017	---	---	0.087	1970
1971	---	---	0	1.33	0.061	0.032	0.008	0.001	0.001	0.004	---	---	0.176	1971
1972	---	---	0.158	0.365	0.069	0.002	0.001	0	0	0.006	---	---	0.075	1972
1973	---	---	0.048	0.016	0.024	0.013	0.004	0.006	0.007	0.002	---	---	0.015	1973
1974	---	---	0	0.959	0.323	0.079	0.010	0.043	0.023	0.009	---	---	0.179	1974
1975	---	---	0	1.20	0.440	0.059	0.008	0.005	0.004	0.010	---	---	0.213	1975
1976	---	---	0	1.32	0.058	0.866	0.049	0.005	0.003	0.003	---	---	0.282	1976
1977	---	---	0.029	0.041	0.067	0.001	0	0	0	0	---	---	0.017	1977
1978	---	---	0.208	0.200	0.060	0.014	0.001	0	0	0.001	---	---	0.060	1978
1979	---	---	0.002	1.64	0.136	0.012	0	0	0	0	---	---	0.219	1979
1980	---	---	0.004	0.597	0.008	0.001	0.001	0.001	0.001	0.001	---	---	0.075	1980
1981	---	---	0.006	0.017	0.004	0.007	0.017	0.005	0.002	0.007	---	---	0.008	1981
1982	---	---	0	0.613	0.039	0.021	0.002	0	0	0.001	---	---	0.083	1982
1983	---	---	0	0.165	0.052	0.093	0.153	0	0.001	0.004	---	---	0.058	1983
1984	---	---	0.111	0.059	0.019	0.022	0	0	0	0.001	---	---	0.027	1984
1985	---	---	0.122	0.856	0.004	0.001	0.001	0	0	0.001	---	---	0.121	1985
1986	---	---	0.314	0.065	0.064	0.001	0.001	0	0	0.001	---	---	0.059	1986
1987	---	---	0.079	0.085	0.003	0.001	0.003	0.005	0.001	0.004	---	---	0.023	1987
1988	---	---	0.001	0.037	0.006	0.001	0.001	0.002	0.001	0	---	---	0.006	1988
1989	---	---	0	0.012	0.002	0.017	0.003	0.011	0.006	0.005	---	---	0.007	1989
1990	---	---	0.288	0.547	0.044	0.016	0.009	0.001	0.001	0.001	---	---	0.112	1990
MEAN	---	---	0.079	0.570	0.125	0.071	0.032	0.008	0.013	0.013	---	---	0.113	MEAN

LOCATION - LAT 50 55 10 N DRAINAGE AREA, 1 680 km²
LONG 103 53 57 W REGULATED

JUMPING DEER CREEK NEAR LIPTON - STATION NO. 05JK004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	1.64 ON APR 07	0 ON MAR 01 *	734	1941
1942	---	4.11 B ON APR 03	0B ON MAR 01	2 800	1942
1943	---	14.1 ON APR 05 *	0 ON MAR 01	7 140	1943
1944	---	4.16 ON APR 05	0 ON MAR 01	1 150	1944
1945	---	0.283B ON MAR 27	0B ON MAR 01	336	1945
1946	---	0.583 ON MAR 27	0 ON MAR 01	659	1946
1947	---	7.08 B ON APR 14	0B ON MAR 01	3 290	1947
1948	---	3.09 B ON APR 10	0B ON MAR 01	2 140	1948
1949	---	0.425B ON APR 02	0B ON MAR 01	142	1949
1950	---	6.17 ON APR 17	0B ON MAR 01	3 020	1950
1951	---	---	0B ON MAR 01	---	1951
1952	---	2.63 B ON MAR 31	0B ON MAR 01	1 280	1952
1953	---	7.25 ON APR 02	0B ON MAR 01	4 980	1953
1954	---	5.41 ON APR 14	0B ON MAR 01	7 050	1954
1955	---	6.00 ON MAY 04	0B ON MAR 01	15 500	1955
1956	---	6.23 ON APR 14	0B ON MAR 01	7 830	1956
1957	---	2.94 B ON APR 05	0B ON MAR 01	3 670	1957
1958	---	2.80 B ON MAR 29	0B ON MAR 01	1 690	1958
1959	---	0.708B ON MAR 23	0B ON MAR 01	567	1959
1960	---	2.58 A ON APR 07	0B ON MAR 01	1 540	1960
1961	---	0.065B ON MAR 26	0B ON MAR 01	222	1961
1962	3.62 AT 03:00 CST ON APR 17	1.49 ON APR 17	0B ON MAR 01	595	1962
1963	2.18 B AT 01:30 CST ON MAR 22	1.48 B ON MAR 22	0B ON MAR 01	705	1963
1964	1.96 B AT 00:30 CST ON APR 03	1.28 B ON APR 03	0B ON MAR 01	559	1964
1965	0.974 AT 14:00 CST ON APR 11	0.586 ON APR 11	0 ON MAR 01	657	1965
1966	---	2.47 ON APR 02	0B ON MAR 01	1 830	1966
1967	---	2.62 ON APR 16	0B ON MAR 01	1 670	1967
1968	2.97 B AT 03:00 CST ON MAR 07	2.32 B ON MAR 06	0E ON JUN 26	1 730	1968
1969	8.81 AT 00:00 CST ON APR 11	6.94 ON APR 11	0B ON MAR 01	3 600	1969
1970	3.91 AT 20:30 CST ON APR 06	2.72 ON APR 06	0B ON MAR 01	1 840	1970
1971	8.86 AT 01:21 CST ON APR 10	6.20 B ON APR 09	0E ON MAR 01	3 740	1971
1972	1.69 B AT 20:23 CST ON APR 09	1.27 B ON APR 09	0B ON MAR 01	1 580	1972
1973	0.824 AT 14:59 CST ON MAY 12	0.195B ON MAR 16	0B ON MAR 01	320	1973
1974	7.90 AT 01:53 CST ON APR 19	4.84 ON APR 19	0B ON MAR 01	3 780	1974
1975	5.27 AT 23:10 CST ON APR 28	4.50 ON APR 29	0B ON MAR 01	4 510	1975
1976	8.67 AT 22:43 CST ON JUN 12	5.66 ON APR 09	0B ON MAR 01	5 370	1976
1977	0.671 AT 15:09 CST ON MAY 09	0.345 ON MAY 06	0B ON MAR 01	364	1977
1978	1.97 B AT 22:42 CST ON MAR 28	1.65 B ON MAR 29	0B ON MAR 01	1 280	1978
1979	7.54 B AT 23:27 CST ON APR 20	5.96 B ON APR 18	0B ON MAR 01	4 840	1979
1980	4.13 B AT 01:17 CST ON APR 06	2.91 B ON APR 06	0B ON MAR 01	1 590	1980
1981	1.49 AT 14:40 CST ON JUL 03	0.396 ON JUL 03	0B ON MAR 01	168	1981
1982	4.17 B AT 20:23 CST ON APR 13	1.79 B ON APR 13	0B ON MAR 01	1 760	1982
1983	2.35 AT 00:42 CST ON JUN 25	1.75 ON JUL 11	0B ON MAR 01	1 230	1983
1984	1.21 B AT 11:14 CST ON MAR 26	0.685B ON MAR 26	0B ON MAR 01	562	1984
1985	9.04 AT 22:55 CST ON APR 02 *	6.73 ON APR 02	0B ON MAR 01	2 570	1985
1986	---	1.50 B ON MAR 15	0B ON MAR 01	1 240	1986
1987	0.460B AT 12:00 CST ON MAR 22	0.450B ON MAR 22	0B ON MAR 01	479	1987
1988	0.370 AT 04:36 CST ON APR 08	0.286 ON APR 08	0B ON MAR 01	128	1988
1989	0.324 AT 11:10 CST ON JUL 02	0.147 ON JUN 28	0B ON MAR 01	145	1989
1990	4.93 B AT 21:09 CST ON MAR 30	3.03 B ON MAR 31	0B ON MAR 01	2 380	1990
				2 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KAPOSVAR CREEK NEAR ESTERHAZY - STATION NO. 05JM012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	0	6.26	3.44	0.716	0.343	0.141	0.009	0.079	---	---	1.36	1956
1957	---	---	0.145	2.16	0.185	0.023	0.016	0.002	0	0	---	---	0.312	1957
1958	---	---	0.146	0.181	0	0	0	0	0	0	---	---	0.041	1958
1959	---	---	0.036	0	0	0	0	0	0	0	---	---	0.005	1959
1960	---	---	0	0.889	0.050	0.002	0	0	0	0	---	---	0.115	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.052	0	0	0	0	0	0	---	---	0.006	1962
1963	---	---	0.096	0.005	0.003	0.002	0.005	0.007	0	0	---	---	0.015	1963
1964	---	---	0	0.279	0.125	0.077	0.008	0.001	0.001	0.003	---	---	0.061	1964
1965	---	---	0	1.80	0.378	0.011	0.004	0	0.008	0	---	---	0.271	1965
1966	---	---	0.147	0.887	0.101	0.001	0.018	0.003	0.001	0	---	---	0.143	1966
1967	---	---	0	1.07	0.273	0.013	0	0	0	0	---	---	0.168	1967
1968	---	---	0.618	0.045	0.010	0.001	0	0.001	0.001	0.004	---	---	0.086	1968
1969	---	---	0.007	0.402	0.047	0	0.001	0	0	0	---	---	0.056	1969
1970	---	---	0	0.734	0.106	0.001	0.028	0	0	0.062	---	---	0.115	1970
1971	---	---	0	0.512	0.042	0.001	0.008	0	0	0.577	---	---	0.142	1971
MEAN	---	---	0.075	0.955	0.298	0.053	0.027	0.010	0.001	0.045	---	---	0.181	MEAN

LOCATION - LAT 50 38 57 N
LONG 102 02 20 W
DRAINAGE AREA 1 700 km^2
REGULATED SINCE 1947

KAPOSVAR CREEK NEAR ESTERHAZY - STATION NO. 05JM012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	16.9 E ON APR 19 *	0B ON MAR 01 *	28 800	1956
1957	---	5.38 B ON APR 07	0 ON MAY 30	6 600	1957
1958	---	1.33 B ON MAR 29	0B ON MAR 01	861	1958
1959	---	0.255B ON MAR 22	0B ON MAR 01	95.5	1959
1960	---	5.83 B ON APR 07	0B ON MAR 01	2 440	1960
1961	---	0 ON MAR 01	0 ON MAR 01	0	1961
1962	---	0.300B ON APR 06	0B ON MAR 01	135	1962
1963	---	0.736E ON MAR 23	0 ON MAR 01	319	1963
1964	---	0.453B ON APR 11	0B ON MAR 01	1 290	1964
1965	---	6.99 B ON APR 12	0B ON MAR 01	5 730	1965
1966	---	4.25 B ON APR 05	0B ON MAR 01	3 030	1966
1967	---	6.12 B ON APR 13	0B ON MAR 01	3 550	1967
1968	---	2.64 B ON MAR 09	0B ON MAR 01	1 820	1968
1969	---	1.44 ON APR 16	0B ON MAR 01	1 190	1969
1970	---	3.23 ON APR 14	0B ON MAR 01	2 430	1970
1971	---	1.19 E ON APR 13	0B ON MAR 01	3 010	1971
				3 830	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KAPOSVAR CREEK NEAR TANTALLON - STATION NO. 05JM005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	0.002	0	0	0	0	0	---	---	---	1941
1942	---	---	0.654	2.59	0.010	0.333	0.004	0.387	0.096	0.034	---	---	0.486	1942
1943	---	---	0.220	3.81	0.087	0.173	0.185	0.980	0.503	---	---	---	---	1943
1944	---	---	---	0.736	0.055	0.854	0.054	0.005	0.004	0.002	---	---	0.240	1944
1945	---	---	0.266	0.138	0.072	0.047	0.063	0.005	0	---	---	---	---	1945
1946	---	---	---	0.581	0.030	0.006	1.76	0.010	0.006	0.015	---	---	0.347	1946
1947	---	---	---	4.07	0.478	0.859	0.314	0.023	0.011	0.013	---	---	0.813	1947
1948	---	---	---	4.08	1.08	0.212	0.636	0.005	0.003	0.004	---	---	0.853	1948
1949	---	---	---	---	0.030	0.294	0.012	---	---	---	---	---	---	1949
1950	---	---	---	1.49	0.112	0.074	0.157	---	---	---	---	---	---	1950
1951	---	---	---	1.06	0.203	0.224	0.026	0	0	0.003	---	---	0.213	1951
1952	---	---	0.070	1.08	0.039	0.027	0.010	0.003	0.022	0.017	---	---	0.169	1952
1953	---	---	---	1.91	0.271	1.26	0.564	0.620	0.170	0.171	---	---	0.704	1953
1954	---	---	---	1.98	0.965	6.45	4.41	0.526	1.18	1.49	0.667	---	2.42	1954
1955	---	---	---	10.2	10.4	1.45	0.542	0.066	0.010	0.056	---	---	3.24	1955
MEAN	---	---	0.303	2.59	0.922	0.818	0.582	0.202	0.154	0.164	0.667	---	0.949	MEAN

LOCATION - LAT 50 31 43 N, LONG 101 55 00 W DRAINAGE AREA, 1 810 km^2 NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1945

KAPOSVAR CREEK NEAR TANTALLON - STATION NO. 05JM005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---		---	1941
1942	---	16.9 ON APR 01	0 ON MAY 12 *	---	1942
1943	---	11.9 B ON APR 03	0 ON JUL 03	E 190	1943
1944	---	4.25 ON JUN 03	0.006 ON AUG 16	---	1944
1945	---	0.311B ON APR 15	0 E ON AUG 11	4 440	1945
1946	---	14.7 ON JUL 10	0 ON AUG 17	---	1946
1947	---	9.85 B ON APR 10	0 ON JUN 27	6 410	1947
1948	---	12.8 ON APR 26	0 ON SEP 05	15 000	1948
1949	---	5.66 ON APR 06	0 B ON APR 01	15 800	1949
1950	---	6.40 ON APR 16	0 ON JUL 13	---	1950
1951	---	3.40 B ON APR 05	0 ON JUL 09	---	1951
1952	---	4.16 B ON APR 04	0 ON JUL 14	3 940	1952
1953	---	11.3 ON APR 02	0 ON APR 21	3 120	1953
1954	---	15.9 ON JUN 10	0.028 ON OCT 06	13 000	1954
1955	---	57.2 ON MAY 04 *	0.085 ON SEP 02	44 700	1955
			0 ON AUG 24	60 000	MEAN
				17 500	

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KEARNEY BROTHERS DITCH NEAR KEALEY SPRINGS - STATION NO. 11AC042

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 39 20 N, LONG 109 06 10 W REGULATED

REMARKS - NO WATER WAS DIVERTED DURING 1917 AND FROM 1919-29

KEARNEY BROTHERS DITCH NEAR KEALEY SPRINGS - STATION NO. 11AC042

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	0 ON MAR 01 *	0 ON MAR 01 *	0	1917
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

KEELEY RIVER AT OUTLET OF KEELEY LAKE - STATION NO. 06BB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	2.91	2.07	2.52	2.58	2.37	---	1972
1973	2.34	1.99	1.91	2.36	4.13	6.18	8.82	7.51	6.40	6.04	5.48	4.92	4.86	1973
1974	4.68	3.94	3.26	3.15	5.81	10.4	7.29	4.54	3.45	2.82	2.33	2.01	4.47	1974
1975	1.97	2.01	1.54	1.56	2.68	4.40	4.59	4.31	3.68	3.54	2.94	2.29	2.98	1975
1976	1.87	1.77	1.56	1.59	2.17	2.58	3.73	3.85	2.57	1.99	1.54	1.18	2.20	1976
1978	1.45	1.43	1.45	2.04	---	---	4.57	3.07	2.65	2.11	1.50	1.39	---	1978
1979	1.22	1.20	1.15	2.05	5.23	8.65	4.22	3.33	3.19	2.66	2.25	2.02	2.77	1979
1980	1.82	1.65	1.43	1.55	1.59	1.29	1.73	2.61	4.69	4.78	3.73	3.18	2.51	1980
1981	2.70	2.17	1.93	2.06	2.80	2.06	1.59	1.08	0.410	0.315	0.367	0.485	1.49	1981
1982	0.427	0.487	0.709	1.17	1.97	4.20	4.54	4.13	2.63	2.09	1.80	1.96	2.36	1982
1983	2.05	1.85	1.78	1.83	2.38	2.18	2.78	2.60	2.21	2.16	2.47	2.38	2.24	1983
1984	2.01	1.80	1.64	2.07	4.23	7.99	5.21	3.14	1.83	1.61	1.89	2.06	2.96	1984
1985	1.89	1.80	2.16	3.29	9.36	9.57	6.19	3.26	2.19	1.65	1.47	1.39	3.69	1985
1986	1.46	1.42	1.36	1.72	4.25	6.54	6.90	9.51	5.24	3.51	2.77	2.56	3.96	1986
1987	2.15	2.20	2.07	2.91	4.04	3.66	3.66	4.02	3.42	2.08	1.47	1.39	2.78	1987
1988	2.13	1.30	1.50	1.83	2.75	3.46	5.36	5.73	6.69	4.67	3.89	3.29	3.49	1988
1989	2.79	2.40	2.17	2.12	2.72	2.88	2.82	1.67	1.12	0.763	0.728	0.768	1.91	1989
1990	0.740	0.735	0.880	1.24	2.99	2.68	2.76	1.58	0.734	0.428	0.359	0.475	1.31	1990
MEAN	1.95	1.77	1.68	2.03	3.82	4.68	4.52	3.84	3.07	2.55	2.20	2.01	2.87	MEAN

LOCATION - LAT 54 55 06 N LONG 108 03 13 W DRAINAGE AREA, 1 020 km^2 NATURAL FLOW

KEELEY RIVER AT OUTLET OF KEELEY LAKE - STATION NO. 06BB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	10.1 AT 23:52 CST ON JUL 11	9.54 ON JUL 06	1.85 ON FEB 25	153 000	1973
1974	---	11.3 E ON JUN 12 *	1.87 ON NOV 30	141 000	1974
1975	5.92 AT 13:59 CST ON AUG 23	5.15 ON AUG 23	1.41 ON APR 05	94 100	1975
1976	5.01 AT 14:49 CST ON JUL 22	4.81 ON JUL 22	1.04 E ON DEC 30	69 700	1976
1978	---	---	---	---	1978
1979	---	5.76E ON MAY 05	1.32 ON DEC 27	---	1979
			1.10 E ON APR 06	87 400	
1980	---	5.44A ON SEP 30	1.15 ON JUN 23	79 200	1980
1981	---	3.06E ON MAY 14	0.248 ON OCT 25 *	47 100	1981
1982	5.33 AT 17:25 CST ON JUL 12	4.97 ON JUL 15	0.180B ON JAN 27	74 500	1982
1983	3.56 AT 19:06 CST ON JUL 26	3.37 ON JUL 27	1.69 ON APR 03	70 800	1983
1984	8.98 AT 04:44 CST ON JUN 01	8.86 ON JUN 01	1.36 ON OCT 16	93 500	1984
1985	---	10.8 E ON JUN 18	1.29 E ON NOV 26	117 000	1985
1986	11.2 AT 22:20 CST ON AUG 06 *	11.1 ON AUG 05	1.34 E ON MAR 20	125 000	1986
1987	4.58 AT 13:14 CST ON MAY 17	4.30 ON JUL 31	1.35 ON DEC 15	87 600	1987
1988	8.36 AT 14:24 CST ON AUG 31	8.19 ON AUG 31	1.27 E ON FEB 08	110 000	1988
1989	4.30 AT 21:23 CST ON JUL 03	3.34 ON JUL 02	0.612 ON OCT 31	60 200	1989
1990	4.45 AT 16:59 CST ON JUL 23	3.53 ON MAY 23	0.297 ON NOV 11	41 200	1990
				90 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KELSEY CREEK NEAR GARRICK - STATION NO. 05KE007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	1.85	0.409	---	---	---	---	---	---	---	---	1957
1958	---	---	---	1.70	---	---	---	---	---	---	---	---	---	1958
1959	---	---	---	0.716	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	1.02	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	0.915	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	1.62	0.798	---	---	---	---	---	---	---	---	1962
1963	---	---	---	0.825	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.204	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	1.04	0	---	---	---	---	---	---	---	---	1965
1966	---	---	---	0.246	0	---	---	---	---	---	---	---	---	1966
1968	---	---	0.011	0.126	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	1.41	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.65	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.95	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	4.85	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	1.22	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	6.14	1.30	1.24	---	---	---	---	---	---	---	1974
1975	---	---	0	0.788	0.177	0	0	0	0	0	---	---	0.119	1975
1976	---	---	0	0.402	0.019	0	0	0	0	0	---	---	0.052	1976
1977	---	---	0	0.010	0	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0	2.55	0.321	0.008	0	0	0	0	---	---	0.353	1978
1979	---	---	0	3.70	1.05	0.096	0	0	0	0	---	---	0.597	1979
1980	---	---	0	0.266	0.005	0	0	0	0	0	---	---	0.033	1980
1981	---	---	0.004	0.028	0.006	0	0	0	0	0	---	---	0.005	1981
1982	---	---	0	0.815	0.011	0.001	0	0	0	0	---	---	0.101	1982
1983	---	---	0	1.46	0.248	0.006	0	0	0	0	---	---	0.210	1983
1984	---	---	0	1.28	0.082	0.176	0.002	0.003	0.001	0.003	---	---	0.189	1984
1985	---	---	0	6.65	0.563	0.365	0.125	0	0	0	---	---	0.946	1985
1986	---	---	0	1.13	0.290	0.027	0	0	0	0	---	---	0.178	1986
1987	---	---	0	0.343	0	0	0	0	0	0	---	---	0.042	1987
1988	---	---	0	0.739	0.003	0	0	0	0	0	---	---	0.091	1988
1989	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0.428	0.006	0	0.002	0	0	0	---	---	0.053	1990
MEAN	---	---	0.001	1.46	0.252	0.113	0.008	0	0	0	---	---	0.186	MEAN

LOCATION - LAT 53 28 53 N DRAINAGE AREA, 156 km²
LONG 104 19 33 W NATURAL FLOW

REMARKS - STATION OPERATED IN SW05-52-16-W2 1957-73 AND SW17-52-16-W2 FROM 1974-77

KELSEY CREEK NEAR GARRICK - STATION NO. 05KE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	2.97 ON APR 19	0B ON MAR 01 *	2 520	1975
1976	---	3.51 ON APR 08	0B ON MAR 01	1 090	1976
1977	---	0.116 ON APR 10	0B ON MAR 01	25.9	1977
1978	15.7 AT 22:13 CST ON APR 23	13.3 R ON APR 23	0B ON MAR 01	7 480	1978
1979	28.5 AT 20:17 CST ON APR 23	19.7 ON APR 24	0B ON MAR 01	12 600	1979
1980	2.71 B AT 07:04 CST ON APR 14	2.39 B ON APR 14	0B ON MAR 01	701	1980
1981	0.247 AT 10:41 CST ON APR 25	0.146 ON APR 23	0B ON MAR 01	101	1981
1982	7.12 AT 01:58 CST ON APR 19	5.88 ON APR 19	0B ON MAR 01	2 140	1982
1983	11.8 AT 05:06 CST ON APR 23	9.56 ON APR 23	0B ON MAR 01	4 450	1983
1984	8.99 AT 04:23 CST ON APR 10	8.09 ON APR 10	0B ON MAR 01	4 010	1984
1985	31.3 AT 16:24 CST ON APR 20 *	26.4 ON APR 20 *	0B ON MAR 01	20 000	1985
1986	10.3 AT 19:05 CST ON APR 06	6.27 ON APR 07	0B ON MAR 01	3 760	1986
1987	4.60 B AT 22:04 CST ON APR 07	1.79 ON APR 08	0B ON MAR 01	890	1987
1988	6.95 B AT 19:12 CST ON APR 12	5.91 B ON APR 12	0B ON MAR 01	1 920	1988
1989	---	0.002B ON APR 14	0B ON MAR 01	3.89	1989
1990	3.12 AT 02:35 CST ON APR 03	2.97 ON APR 03	0B ON MAR 01	1 130	1990
				3 930	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

KNOX COULEE NEAR TUXFORD - STATION NO. 05JG015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	0	0.037	0.001	0	0	0	0	0	---	---	0.005	1979
1980	---	---	0.004	0.003	0	0	0	0	0	0	---	---	0.001	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.185	0.001	0	0	0	0	0	---	---	0.023	1982
1983	---	---	0.007	0.012	0	0	0.013	0.001	0	0	---	---	0.004	1983
1984	---	---	0.013	0.001	0	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.033	0.033	0	0	0	0	0	0	---	---	0.008	1985
1986	---	0	0.007	0	0	0	0	0	0	0	---	---	0.001	1986
1987	---	---	0.009	0.004	0	0	0	0	0	0	---	---	0.002	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0	0	0	0	0	0	0	---	---	0	1990
MEAN	---	0	0.006	0.023	0	0	0.001	0	0	0	---	---	0.004	MEAN

LOCATION - LAT 50 41 41 N LONG 105 36 05 W DRAINAGE AREA, 24.1 km² REGULATED

KNOX COULEE NEAR TUXFORD - STATION NO. 05JG015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	0.495 AT 23:08 CST ON APR 16	0.360 ON APR 16	0B ON MAR 01 *	98.4	1979
1980	0.205B AT 13:45 CST ON MAR 30	0.091B ON MAR 30	0B ON MAR 01	18.0	1980
1981	0 B AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1981
1982	1.94 AT 23:52 CST ON APR 16 *	1.42 ON APR 17 *	0B ON MAR 01	482	1982
1983	0.405B AT 11:30 CST ON MAR 31	0.224B ON MAR 31	0B ON MAR 01	88.2	1983
1984	0.224B AT 03:16 CST ON MAR 22	0.098B ON MAR 22	0B ON MAR 01	38.6	1984
1985	0.729B AT 12:33 CST ON MAR 19	0.386B ON MAR 19	0B ON MAR 01	175	1985
1986	0.094B AT 11:10 CST ON MAR 03	0.094B ON MAR 03	0 ON APR 06	20.8	1986
1987	0.101B AT 09:37 CST ON MAR 27	0.063B ON MAR 27	0B ON MAR 01	34.5	1987
1988	0.002 AT 16:18 CST ON MAR 31	0.001 ON MAR 31	0 ON MAR 01	0.259	1988
1989	0.054 AT 05:25 CST ON JUN 11	0.006B ON MAR 25	0B ON MAR 01	2.16	1989
1990	0.035B AT 20:48 CST ON MAR 19	0.005B ON MAR 19	0B ON MAR 01	0.778	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		79.9	MEAN

KOHLESCHMIDT CREEK NEAR ROSTHERN - STATION NO. 05HH003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	1.19	---	---	---	---	---	---	---	---	---	1964
1965	---	---	0	2.50	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	0.534	---	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.117	0.143	---	---	---	---	---	---	---	---	1967
1968	---	---	0.568	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	3.66	---	---	---	---	---	---	---	---	---	1969
1970	---	---	0	4.38	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0	1.27	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0	5.41	---	---	---	---	---	---	---	---	---	1972
1973	---	---	0	0.220	---	---	---	---	---	---	---	---	---	1973
1974	---	---	0	4.30	0.196	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.06	0.149	0	0	0	0	0	---	---	0.148	1975
1976	---	---	0	1.38	0.044	0.015	0	0	0	0	---	---	0.176	1976
1977	---	---	0	0.004	0.023	0.020	0	0	0	0	---	---	0.006	1977
1978	---	---	0	0.631	0.021	0.001	0.001	0	0	0	---	---	0.080	1978
1979	---	---	0	6.13	1.36	0	0	0	0	0	---	---	0.923	1979
1980	---	---	0	0.945	0.004	0	0	0	0	0	---	---	0.116	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.012	0	0	0	0	0	0	---	---	0.001	1982
1983	---	---	0	0.946	0.038	0	0	0	0.002	0.001	---	---	0.121	1983
1984	---	---	0.116	0.11[illegible]	0.001	0.014	0	0	0	0	---	---	0.031	1984
1985	---	---	0	6.12	0.291	0.003	0	0	0	0	---	---	0.787	1985
1986	---	---	0.401	0.212	0.002	0	0	0	0	0	---	---	0.077	1986
1987	---	---	0	1.16	0.005	0	0	0	0	0	---	---	0.143	1987
1988	---	---	0	1.66	0.002	0	0	0	0	0	---	---	0.203	1988
1989	---	---	0	0.229	0.001	0	0	0	0	0	---	---	0.028	1989
1990	---	---	0.150	0.337	0.005	0.119	0.008	0	0	0	---	---	0.076	1990
MEAN	---	---	0.049	1.71	0.127	0.011	0.001	0	0	0	---	---	0.182	MEAN

LOCATION - LAT 52 44 50 N LONG 106 22 05 W DRAINAGE AREA, 360 km² NATURAL FLOW

KOHLESCHMIDT CREEK NEAR ROSTHERN - STATION NO. 05HH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	6.00 ON APR 22	0B ON MAR 01 *	3 130	1975
1976	15.6 B AT 07:57 CST ON APR 09	11.2 B ON APR 09	0B ON MAR 01	3 730	1976
1977	0.212 AT 16:06 CST ON MAY 05	0.144 ON MAY 05	0B ON MAR 01	122	1977
1978	4.05 A AT 23:59 CST ON APR 07	3.40 ON APR 08	0B ON MAR 01	1 700	1978
1979	35.4 AT 06:34 CST ON APR 25	33.1 ON APR 25	0B ON MAR 01	19 500	1979
1980	9.91 B AT 14:04 CST ON APR 16	8.06 B ON APR 16	0B ON MAR 01	2 460	1980
1981	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1981
1982	---	0.127B ON APR 15	0B ON MAR 01	29.8	1982
1983	12.4 B AT 09:40 CST ON APR 09	6.88 B ON APR 09	0B ON MAR 01	2 560	1983
1984	---	0.965A ON MAR 29	0B ON MAR 01	652	1984
1985	43.7 AT 06:13 CST ON APR 14 *	37.5 ON APR 14 *	0B ON MAR 01	16 700	1985
1986	4.07 B AT 00:06 CST ON MAR 30	3.63 B ON MAR 30	0B ON MAR 01	1 630	1986
1987	9.90 B AT 13:51 CST ON APR 04	7.90 B ON APR 04	0B ON MAR 01	3 030	1987
1988	13.8 B AT 05:13 CST ON APR 08	11.3 B ON APR 08	0B ON MAR 01	4 310	1988
1989	2.21 AT 01:58 CST ON APR 08	1.51 ON APR 08	0 ON MAR 01	595	1989
1990	5.38 B AT 12:54 CST ON MAR 31	4.26 B ON MAR 31	0 ON MAR 01	1 620	1990
				3 860	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KOKOTT DITCH NEAR EASTEND - STATION NO. 11AC020

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	0	0	0	0.047	0.044	0.039	0.022	0	---	---	0.019	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0.011	0.025	0	0	0	---	---	0.005	1917
1918	---	---	0	0	0.024	0.018	0.003	0	0	0	---	---	0.006	1918
1919	---	---	0	0	0.003	0.022	0.019	0	0	0	---	---	0.006	1919
1920	---	---	0	0	0.022	0.037	0.009	0	0	0	---	---	0.008	1920
1921	---	---	0	0	0	0.036	0.023	0	0	0	---	---	0.007	1921
1922	---	---	0	0	0	0.027	0.010	0	0	0	---	---	0.005	1922
1923	---	---	0	0	0.029	0.017	0	0	0	0	---	---	0.006	1923
1924	---	---	0	0	0.043	0.021	0	0	0	0	---	---	0.008	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0.026	0.008	0	0	0	---	---	0.004	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	---	---	---	---	---	---	---	---	---	---	---	1931
1938	---	---	0	0	0	0	---	---	---	---	---	---	---	1938
MEAN	---	---	0	0	0.007	0.015	0.008	0.002	0.001	0	---	---	0.004	MEAN

LOCATION - LAT 49 36 50 N
LONG 108 56 40 W REGULATED

KOKOTT DITCH NEAR EASTEND - STATION NO. 11AC020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	0.071 ON JUN 03	0 ON MAR 01 *	399	1914
1915	---	0 ON MAR 01	0 ON MAR 01	0	1915
1916	---	0 ON MAR 01	0 ON MAR 01	0	1916
1917	---	0.031 ON JUL 03	0 ON MAR 01	95.5	1917
1918	---	0.060 ON MAY 15	0 ON MAR 01	117	1918
1919	---	0.024 ON MAY 28	0 ON MAR 01	117	1919
1920	---	0.059 ON JUN 17	0 ON MAR 01	179	1920
1921	---	0.048 ON JUN 03	0 ON MAR 01	153	1921
1922	---	0.074 ON JUL 08 *	0 ON MAR 01	97.4	1922
1923	---	0.054 ON JUN 01	0 ON MAR 01	120	1923
1924	---	0.051 ON MAY 03	0 ON MAR 01	171	1924
1925	---	0 ON MAR 01	0 ON MAR 01	0	1925
1926	---	0.042 ON JUN 15	0 ON MAR 01	90.1	1926
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
1930	---	0 ON MAR 01	0 ON MAR 01	0	1930
1931	---	---	0 ON APR 27	---	1931
1938	---	---	0 ON MAR 01	---	1938
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		90.5	MEAN

LAKE OF THE RIVERS WEST INFLOW - STATION NO. 05JD004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	1.30	0.438	0.001	0.032	0.001	0	0	0	---	---	0.222	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.379	0.046	0.003	0	0.011	0	0.196	0	---	---	0.079	1978
1979	---	---	0.154	1.47	0.230	0.021	0	0	0	0	---	---	0.231	1979
1980	---	---	0.071	0.041	0	0.002	0	0	0	0	---	---	0.014	1980
1981	---	0.031	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	1.46	0.125	0.027	0.073	0	0	0	---	---	0.207	1982
1983	---	0.017	0.528	0.184	0.010	0	0	0	0	0	---	---	0.091	1983
1984	---	0.001	0.112	0.003	0	0.378	0.014	0	0	0	---	---	0.063	1984
1985	---	---	0.034	0.005	0	0	0	0	0	0	---	---	0.005	1985
1986	---	0.136	0.254	0	0.043	0	0	0	0	0	---	---	0.038	1986
1987	---	0.001	0.004	0.003	0	0	0.025	0.105	0	0	---	---	0.017	1987
1988	---	---	0	0	0	0	0.001	0	0	0	---	---	0	1988
1989	---	---	0.002	0.203	0.012	0.023	0.006	0.005	0.018	0	---	---	0.033	1989
1990	---	---	0.152	0.032	0	0	0.290	0.052	0	0	---	---	0.066	1990
MEAN	---	0.037	0.199	0.259	0.028	0.032	0.028	0.011	0.014	0	---	---	0.071	MEAN

LOCATION - LAT 49 44 25 N LONG 105 46 41 W
DRAINAGE AREA, 64.2 km^2
NATURAL FLOW

LAKE OF THE RIVERS WEST INFLOW - STATION NO. 05JD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	13.3 AT 15:00 CST ON MAR 28	7.84 ON MAR 28	0B ON MAR 01 *	4 690	1976
1977	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1977
1978	---	2.21 ON MAR 27	0B ON MAR 01	1 680	1978
1979	14.2 AT 04:47 CST ON APR 17	11.9 ON APR 17	0B ON MAR 01	4 900	1979
1980	1.50 AT 03:10 CST ON JUN 27	0.805 ON MAR 30	0B ON MAR 01	301	1980
1981	0.430B AT 12:50 CST ON FEB 17	0.001 ON MAR 01	0 ON MAR 05	0.346	1981
1982	14.7 B AT 20:57 CST ON APR 14 *	13.8 B ON APR 15 *	0B ON MAR 01	4 390	1982
1983	7.68 B AT 22:04 CST ON MAR 29	4.49 ON MAR 30	0 ON APR 26	1 920	1983
1984	10.8 AT 08:53 CST ON JUN 21	7.31 ON JUN 21	0B ON MAR 07	1 330	1984
1985	0.399B AT 19:03 CST ON MAR 11	0.164B ON MAR 11	0 ON APR 11	106	1985
1986	3.25 B AT 04:54 CST ON FEB 27	1.38 B ON MAR 02	0 ON MAR 30	795	1986
1987	2.13 AT 09:50 CST ON AUG 01	1.45 ON AUG 01	0B ON MAR 01	367	1987
1988	1.80 AT 13:58 CST ON JUL 04	0.029A ON JUL 04	0 ON MAR 01	2.51	1988
1989	1.93 B AT 16:39 CST ON APR 01	1.03 ON APR 03	0B ON MAR 01	694	1989
1990	11.4 AT 15:27 CST ON JUL 26	2.27 ON JUL 27	0B ON MAR 02	1 400	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 510	MEAN

LANIGAN CREEK ABOVE BOULDER LAKE - STATION NO. 05JJ003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	0.011	0.090	0.040	0	0	0	0	0	---	---	0.017	1958
1959	---	---	0	0	0	0	0	0	0	0	---	---	0	1959
1960	---	---	0	0.051	0	0	0	0	0	0	---	---	0.006	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.019	0	0	0	0	0	0	---	---	0.002	1962
1963	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1965
1966	---	---	0.005	0.002	0	0	0	0	0	0	---	---	0.001	1966
1967	---	---	0	0.008	0.902	0	0	0	0	0	---	---	0.115	1967
1968	---	---	0.012	0	0	0	0	0	0	0	---	---	0.002	1968
1969	---	---	0	1.39	0	0	0	0	0	0	---	---	0.170	1969
1970	---	---	0	0.942	0	0	0	0	0	0	---	---	0.115	1970
1971	---	---	0	0.219	0	0	0	0	0	0	---	---	0.027	1971
1972	---	---	0	3.18	2.08	0.308	0.001	0	0	0	---	---	0.690	1972
1973	---	---	0.010	0.350	0.395	0.533	0.713	0.186	0.338	0.147	---	---	0.333	1973
1974	---	---	0	5.56	3.61	1.49	0.296	0.460	0.693	0.425	---	---	1.55	1974
1975	---	---	0	1.32	3.20	0.719	0.041	0.003	0	0	---	---	0.660	1975
1976	---	---	0	3.25	0.548	0.122	0.279	0.104	0.011	0	---	---	0.533	1976
1977	---	---	0	0	0.031	0.022	0	0	0	0	---	---	0.007	1977
1978	---	---	0.013	1.54	0.397	0.038	0	0.010	0.227	0.107	---	---	0.288	1978
1979	---	---	0	5.41	4.16	0.095	0	0	0	0	---	---	1.20	1979
1980	---	---	0	2.63	0.185	0	0	0	0	0	---	---	0.345	1980
1981	---	0	0	0	0	0	0.218	0.265	0.024	0.017	---	---	0.066	1981
1982	---	---	0	0.089	0.019	0.012	0	0.170	0.056	0.010	---	---	0.044	1982
1983	---	---	0	0.733	0.871	0.058	0.124	0.060	0	0	---	---	0.230	1983
1984	---	---	0.014	0.107	0.041	0	0	0	0	0	---	---	0.020	1984
1985	---	---	0	10.2	1.51	0.581	0.280	0.018	0	0	---	---	1.54	1985
1986	---	---	0.086	0.995	0.114	0.004	0	0	0	0	---	---	0.148	1986
1987	---	---	0.009	1.24	0.112	0	0	0	0	0	---	---	0.167	1987
1988	---	---	0.001	2.67	0.056	0.002	0	0	0	0	---	---	0.334	1988
1989	---	---	0	0.003	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0.010	2.61	0.046	0	0	0	0	0	---	---	0.327	1990
MEAN	---	0	0.005	1.35	0.555	0.121	0.059	0.039	0.041	0.021	---	---	0.271	MEAN

LOCATION - LAT 51 38 58 N LONG 105 14 14 W DRAINAGE AREA, 2 360 km² REGULATED

LANIGAN CREEK ABOVE BOULDER LAKE - STATION NO. 05JJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1958	---	0.241 ON APR 03	0B ON MAR 01 *	368	1958
1959	---	0 B ON MAR 01	0B ON MAR 01	0	1959
1960	---	0.640B ON APR 05	0B ON MAR 01	131	1960
1961	---	0 B ON MAR 01	0B ON MAR 01	0	1961
1962	---	0.430B ON APR 17	0B ON MAR 01	48.6	1962
1963	---	0.011 ON MAR 24	0B ON MAR 01	1.99	1963
1964	---	0.006B ON APR 11	0B ON MAR 01	1.04	1964
1965	---	0.062 ON APR 23	0B ON MAR 01	6.39	1965
1966	---	0.130B ON MAR 31	0B ON MAR 01	20.4	1966
1967	---	3.68 ON MAY 09	0B ON MAR 01	2 440	1967
1968	---	0.139B ON MAR 07	0B ON MAR 01	32.4	1968
1969	---	9.06 ON APR 15	0B ON MAR 01	3 600	1969
1970	---	3.28 ON APR 15	0B ON MAR 01	2 440	1970
1971	2.47 AT 09:29 CST ON APR 20	2.16 ON APR 19	0B ON MAR 01	568	1971
1972	7.76 AT 00:36 CST ON APR 30	7.53 ON APR 30	0B ON MAR 01	14 600	1972
1973	1.14 AT 08:33 CST ON JUL 07	1.10 ON JUL 06	0B ON MAR 01	7 050	1973
1974	23.3 AT 15:23 CST ON APR 22 *	22.4 ON APR 22	0B ON MAR 01	32 900	1974
1975	8.64 AT 02:49 CST ON MAY 04	8.52 ON MAY 04	0B ON MAR 01	14 000	1975
1976	8.61 AT 23:21 CST ON APR 13	8.44 ON APR 14	0B ON MAR 01	11 300	1976
1977	0.255 AT 21:47 CST ON MAY 25	0.125 ON MAY 26	0B ON MAR 01	142	1977
1978	2.53 AT 00:16 CST ON APR 10	2.44 ON APR 10	0B ON MAR 01	6 100	1978
1979	21.6 AT 20:40 CST ON APR 24	21.3 ON APR 24	0B ON MAR 01	25 400	1979
1980	8.46 ON APR 16	7.86 A ON APR 15	0B ON MAR 01	7 310	1980
1981	0.442 AT 16:25 CST ON JUL 23	0.419 ON JUL 25	0B ON MAR 01	1 400	1981
1982	0.299A ON AUG 04	0.290E ON AUG 05	0B ON MAR 01	939	1982
1983	3.20 AT 13:18 CST ON APR 26	3.10 ON APR 26	0B ON MAR 01	4 870	1983
1984	0.251 AT 13:10 CST ON APR 27	0.204 ON APR 19	0B ON MAR 01	425	1984
1985	23.1 AT 14:50 CST ON APR 17	22.7 ON APR 17 *	0B ON MAR 01	32 700	1985
1986	2.65 AT 03:34 CST ON APR 07	2.57 ON APR 07	0B ON MAR 01	3 130	1986
1987	4.30 AT 14:45 CST ON APR 12	4.13 ON APR 12	0B ON MAR 01	3 530	1987
1988	11.5 ON APR 10	11.3 E ON APR 10	0B ON MAR 01	7 070	1988
1989	0.082B AT 14:26 CST ON APR 04	0.053B ON APR 04	0B ON MAR 01	7.86	1989
1990	11.4 AT 12:00 CST ON APR 07	11.2 ON APR 07	0B ON MAR 01	6 920	1990
				5 740	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LANIGAN CREEK DIVERSION TO LITTLE MANITOU LAKE - STATION NO. 05JJ004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0	0	0	0	0	0	0	0	---	---	0	1959
1960	---	---	0	0.030	0	0	0	0	0	0	---	---	0.004	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.018	0	0	0	0	0	0	---	---	0.002	1962
1963	---	---	0.004	0	0	0	0	0	0	0	---	---	0.001	1963
1964	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.015	0	0	0	0	0	0	---	---	0.002	1965
1966	---	---	0	0.338	0.064	0.013	0.002	0.003	0	0	---	---	0.052	1966
1967	---	---	0	0	0.436	0.103	0.007	0	0	0	---	---	0.069	1967
1968	---	---	0.025	0.279	0.046	0	0	0	0	0	---	---	0.043	1968
1969	---	---	0	0.861	0.235	0	0	0	0	0	---	---	0.135	1969
1970	---	---	0	0.649	0.511	0.090	0.008	0	0	0	---	---	0.156	1970
1971	---	---	0	0.616	0.435	0.074	0.112	0.127	0.079	0.025	---	---	0.183	1971
MEAN	---	---	0.002	0.216	0.133	0.022	0.010	0.010	0.006	0.002	---	---	0.050	MEAN

LOCATION - LAT 51 39 20 N
LONG 105 15 54 W REGULATED

LANIGAN CREEK DIVERSION TO LITTLE MANITOU LAKE - STATION NO. 05JJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0 B ON MAR 01	0B ON MAR 01 *	0	1959
1960	---	0.113B ON APR 06	0B ON MAR 01	78.3	1960
1961	---	0 ON MAR 01	0 ON MAR 01	0	1961
1962	---	0.198B ON APR 10	0B ON MAR 01	47.4	1962
1963	---	0.102B ON MAR 23	0B ON MAR 01	11.9	1963
1964	---	0.020B ON APR 09	0B ON MAR 01	5.62	1964
1965	---	0.224B ON APR 13	0B ON MAR 01	38.9	1965
1966	---	0.547B ON APR 08	0B ON MAR 01	1 090	1966
1967	---	1.32 ON MAY 16	0B ON MAR 01	1 450	1967
1968	---	0.433 ON APR 16	0B ON MAR 01	911	1968
1969	---	2.29 ON APR 17	0B ON MAR 01	2 860	1969
1970	---	2.41 B ON APR 11 *	0B ON MAR 01	3 310	1970
1971	---	1.83 ON APR 26	0B ON MAR 01	3 860	1971
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 050	MEAN

LANIGAN CREEK NEAR HATFIELD - STATION NO. 05JJ002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	12.4	23.6	2.27	0.365	0.027	---	---	---	---	---	1955
1956	---	---	---	8.92	2.90	0.847	---	---	---	---	---	---	---	1956
MEAN	---	---	---	10.7	13.3	1.56	0.365	0.027	---	---	---	---	---	MEAN

LOCATION - LAT 51 27 00 N
LONG 105 11 00 W
DRAINAGE AREA, 7 610 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

LANIGAN CREEK NEAR HATFIELD - STATION NO. 05JJ002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	69.7 ON MAY 04 *	0E ON AUG 10 *	---	1955
1956	---	23.8 ON APR 24	0E ON APR 01	---	1956
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LANIGAN CREEK NEAR LANIGAN - STATION NO. 05JJ010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	1.52	0.504	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.57	0.137	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	1.11	---	---	---	---	---	---	---	---	1972
1974	---	---	---	4.35	1.16	0.255	---	---	---	---	---	---	---	1974
1975	---	---	0	1.99	1.68	0.152	0.038	0.008	0.009	0.005	---	---	0.482	1975
1976	---	---	0	3.09	0.194	0.101	0.043	0.011	0.001	0.001	---	---	0.422	1976
1977	---	---	0	0.003	0.051	0.032	0.004	0.001	0.003	0.005	---	---	0.012	1977
1978	---	---	0.029	1.03	0.112	0.005	0.063	0.003	0.003	0.003	---	---	0.157	1978
1979	---	---	0	5.65	2.09	0.114	0.001	0	0	0	---	---	0.971	1979
1980	---	---	0	3.11	0.136	0	0	0	0	0	---	---	0.398	1980
1981	---	0	0	0	0	0.002	0	0	0	0	---	---	0	1981
1982	---	---	0	0.038	0.037	0.044	0.888	0.325	0.001	0	---	---	0.168	1982
1983	---	---	0	1.23	0.619	0.057	0.100	0.017	0.001	0.002	---	---	0.251	1983
1984	---	---	0.003	0.226	0.011	0.006	0	0	0	0	---	---	0.030	1984
1985	---	---	0	8.30	0.512	0.004	0.001	0	0.001	0.001	---	---	1.08	1985
1986	---	---	0.315	0.863	0.045	0.002	0.011	0.002	0.002	0.004	---	---	0.154	1986
MEAN	---	0	0.029	2.20	0.526	0.060	0.096	0.031	0.002	0.002	---	---	0.344	MEAN

LOCATION - LAT 51 50 16 N, LONG 104 58 52 W DRAINAGE AREA, 588 km² NATURAL FLOW

LANIGAN CREEK NEAR LANIGAN - STATION NO. 05JJ010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1974	---	---	---	---	1974
1975	11.6 AT 04:48 CST ON APR 30	10.5 ON APR 30	0B ON MAR 01 *	10 200	1975
1976	14.7 AT 23:50 CST ON APR 09	13.8 ON APR 10	0B ON MAR 01	8 930	1976
1977	---	0.164A ON MAY 06	0B ON MAR 01	261	1977
1978	2.49 AT 05:33 CST ON APR 10	2.33 ON APR 10	0B ON MAR 01	3 320	1978
1979	20.5 AT 07:59 CST ON APR 26	20.0 ON APR 26	0B ON MAR 01	20 600	1979
1980	13.0 AT 02:47 CST ON APR 12	11.3 ON APR 12	0B ON MAR 01	8 430	1980
1981	0.007 AT 08:11 CST ON JUN 16	0.006 ON JUN 16	0B ON MAR 01	6.83	1981
1982	4.32 AT 14:39 CST ON JUL 20	3.75 ON JUL 21	0B ON MAR 01	3 560	1982
1983	4.08 AT 00:29 CST ON APR 22	3.84 ON APR 22	0B ON MAR 01	5 320	1983
1984	0.630 AT 01:13 CST ON APR 06	0.593 ON APR 06	0B ON MAR 01	639	1984
1985	22.8 AT 19:37 CST ON APR 12 *	22.3 ON APR 12 *	0B ON MAR 01	22 900	1985
1986	4.24 AT 12:22 CST ON APR 01	3.88 ON MAR 31	0B ON MAR 01	3 250	1986
				7 280	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LAST MOUNTAIN CREEK NEAR CRAVEN - STATION NO. 05JH006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	12.1	3.41	4.56	3.25	0.645	0.659	0.566	0.233	---	---	3.19	1968
1969	-3.56	-4.18	-2.94	-36.	-9.6	0.367	1.37	2.73	2.14	3.24	2.18	1.37	-4.80	1969
1970	1.42	-2.63	-1.36	-17.	-18.	5.10	2.51	3.40	5.07	6.84	6.21	3.06	-1.80	1970
1971	2.80	1.51	2.35	-33.	-4.2	-2.03	-1.65	1.35	1.34	7.31	5.81	4.45	-3.49	1971
1973	0.430	0.845	0.701	-1.3	-3.0	-0.634	-0.541	-0.368	-0.582	1.88	1.62	0.925	-0.491	1973
1974	---	---	0	-88.	-48.	12.2	24.1	20.2	16.8	14.2	---	---	-6.05	1974
1975	---	---	3.80	-18.	-35.	5.27	9.78	11.5	10.3	7.21	---	---	-0.719	1975
1976	---	---	-1.73	-72.	1.67	-0.668	10.5	10.5	10.5	8.58	---	---	-3.92	1976
1977	---	---	0.629	-0.6	-1.9	-1.29	-0.768	0.053	-0.030	-0.156	---	---	-0.516	1977
MEAN	0.274	-1.12	1.51	-29.	-12.	2.40	5.11	5.56	5.12	5.48	3.96	2.45	-2.07	MEAN

LOCATION - LAT 50 42 23 N, LONG 104 48 35 W REGULATED

LAST MOUNTAIN CREEK NEAR CRAVEN - STATION NO. 05JH006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	---	21.2 B ON MAR 09	0 ON SEP 22	67 500	1968
1969	---	3.99 ON OCT 29	- 104 ON APR 16	- 102 000	1969
1970	---	9.34 ON JUN 17	-30 ON APR 11	-38 000	1970
1971	---	9.12 ON OCT 19	-65 ON APR 15	-73 900	1971
1973	---	4.33 ON APR 13	-8 ON MAY 11	-10 400	1973
1974	---	27.6 ON JUN 29 *	- 306 ON APR 25 *	- 128 000	1974
1975	---	16.5 ON JUN 04	-80 ON MAY 01	-15 200	1975
1976	---	14.0 ON OCT 14	- 103 ON APR 08	-83 000	1976
1977	---	4.25B ON MAR 15	-9 ON MAY 31	-10 900	1977
				-43 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LAWRIE CREEK NEAR INSINGER - STATION NO. 05MB012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	0	---	---	---	---	---	---	---	---	---	1964
1966	---	---	---	0.825	---	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	0.551	---	---	---	---	---	---	---	---	1967
1969	---	---	---	0.192	0.003	---	---	---	---	---	---	---	---	1969
1970	---	---	---	0.920	0.347	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.37	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0.018	1.68	0.137	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	0.158	---	---	---	---	---	---	---	---	1973
1974	---	---	---	---	1.43	---	---	---	---	---	---	---	---	1974
1975	---	---	0	2.96	0.741	0.153	0.021	0.001	0.003	0.002	---	---	0.478	1975
1976	---	---	0	2.92	0.028	1.99	0.063	0	0	0	---	---	0.612	1976
1977	---	---	0	0.009	0.011	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0	0.123	0.004	0.001	0.270	0	0.007	0.005	---	---	0.051	1978
1979	---	---	0	2.08	1.26	0.066	0	0	0	0	---	---	0.422	1979
1980	---	---	0	0.419	0	0	0	0	0	0	---	---	0.051	1980
1981	---	---	0	0.001	0.001	0.026	0	0	0	0.001	---	---	0.004	1981
1982	---	---	0	0.907	0.034	0.013	0.001	0	0	0	---	---	0.117	1982
1983	---	---	0	0.606	0.250	0.076	0.488	0.006	0.001	0	---	---	0.178	1983
1984	---	---	0.027	0.050	0.006	0.004	0.002	0	0	0	---	---	0.011	1984
1985	---	---	0.007	1.76	0.042	0.017	0.001	0	0	0	---	---	0.223	1985
MEAN	---	---	0.004	0.990	0.294	0.213	0.077	0.001	0.001	0.001	---	---	0.195	MEAN

LOCATION - LAT 51 29 17 N, LONG 103 01 10 W DRAINAGE AREA, 190 km² NATURAL FLOW

LAWRIE CREEK NEAR INSINGER - STATION NO. 05MB012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1964	---	---	---	---	1964
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	23.1 AT 01:57 CST ON APR 29 *	20.2 ON APR 29 *	0B ON MAR 01 *	10 100	1975
1976	21.3 AT 06:32 CST ON APR 09	20.2 ON APR 09	0B ON MAR 01	13 000	1976
1977	---	0.082 ON MAY 15	0B ON MAR 01	53.7	1977
1978	---	2.16 ON JUL 01	0B ON MAR 01	1 090	1978
1979	12.4 A AT 16:52 CST ON APR 26	10.7 ON APR 26	0B ON MAR 01	8 930	1979
1980	1.94B AT 04:30 CST ON APR 08	1.26 B ON APR 08	0B ON MAR 01	1 090	1980
1981	1.03 AT 08:43 CST ON JUN 14	0.297 ON JUN 14	0B ON MAR 01	76.3	1981
1982	8.48 AT 14:00 CST ON APR 21	3.80 ON APR 21	0B ON MAR 01	2 480	1982
1983	4.62 AT 11:48 CST ON JUL 04	3.84 ON APR 22	0B ON MAR 01	3 760	1983
1984	1.23 AT 15:43 CST ON APR 30	0.281 ON APR 30	0B ON MAR 01	234	1984
1985	4.67E AT 21:00 CST ON APR 10	4.27 E ON APR 11	0B ON MAR 01	4 730	1985
				4 140	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEATHER RIVER BELOW PRESBYTERIAN RIVER - STATION NO. 05KB010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	38.6	---	---	---	---	---	---	---	---	---	1974
MEAN	---	---	0	38.6	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 02 26 N, LONG 104 01 33 W DRAINAGE AREA, 1 340 km² NATURAL FLOW

LEATHER RIVER BELOW PRESBYTERIAN RIVER - STATION NO. 05KB010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	226 ON APR 23	---	---	---	1972
1974	326 AT 04:43 CST ON APR 20 *	---	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LEATHER RIVER NEAR STAR CITY - STATION NO. 05KB006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0	0	0	0	---	---	---	1967
1968	---	---	0.602	0.441	0.071	0.105	0	0.187	0.213	0.023	---	---	0.204	1968
1969	---	---	0.006	1.58	0.014	0.001	0	0	0	0.010	---	---	0.197	1969
1970	---	---	0	2.42	0.336	0.043	0.086	0	0	0	---	---	0.356	1970
1971	---	---	0.006	2.28	0.052	0.117	0.097	0.002	0	0	---	---	0.313	1971
1972	---	---	0.015	3.99	0.429	0.001	0	0	0	0	---	---	0.544	1972
1973	---	---	0.002	0.121	0.364	1.96	3.32	0.200	0.013	0.026	---	---	0.750	1973
1974	---	---	0.009	4.72	1.29	0.391	0.037	0.061	0.041	0.081	---	---	0.818	1974
1975	---	---	0.028	2.77	1.10	0.169	0.118	0.110	0.002	0.018	---	---	0.534	1975
1976	---	---	0	1.97	0.062	0.060	0.004	0	0	0	---	---	0.257	1976
1977	---	---	0.014	0.495	0.815	0.199	0.015	0.011	0.007	0.004	---	---	0.194	1977
1978	---	---	0.001	2.65	0.171	0.092	0.020	0	0	0	---	---	0.360	1978
1979	---	---	0	3.48	1.70	0.405	0.004	0	0	0	---	---	0.692	1979
1980	---	---	0	1.57	0.001	0	0	0	0	0	---	---	0.192	1980
1981	---	---	0.099	0.196	0.047	0.001	0	0	0	0	---	---	0.043	1981
1982	---	---	0	1.06	0.112	0.061	0	0	0	0	---	---	0.152	1982
1983	---	---	0	0.771	0.157	0	0	0	0	0	---	---	0.114	1983
1984	---	---	0.010	0.352	0.338	0.386	0.051	0	0	0	---	---	0.141	1984
1985	---	---	0	4.31	0.168	0.060	0.063	0	0	0	---	---	0.565	1985
1986	---	---	0.160	1.60	0.187	0.004	0	0	0	0	---	---	0.241	1986
1987	---	---	0	0.512	0.008	0.002	0	0	0	0	---	---	0.064	1987
1988	---	---	0	2.09	0.033	0	0	0	0	0	---	---	0.260	1988
1989	---	---	0	0.096	0	0	0	0	0	0	---	---	0.012	1989
1990	---	---	0.055	0.778	0.048	0.001	0	0	0	0	---	---	0.108	1990
MEAN	---	---	0.044	1.75	0.326	0.176	0.159	0.024	0.012	0.007	---	---	0.309	MEAN

LOCATION - LAT 52 50 32 N
LONG 104 14 24 W
DRAINAGE AREA, 165 km²
NATURAL FLOW

LEATHER RIVER NEAR STAR CITY - STATION NO. 05KB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	0 ON JUN 08 *	---	1967
1968	---	3.40 ON AUG 29	0B ON MAR 01	4 330	1968
1969	---	7.67 B ON APR 13	0 ON JUN 07	4 180	1969
1970	---	8.55 ON APR 19	0B ON MAR 01	7 530	1970
1971	---	11.0 B ON APR 14	0E ON MAY 20	6 630	1971
1972	27.9 AT 19:45 CST ON APR 24	22.5 B ON APR 24	0E ON JUN 05	11 500	1972
1973	---	10.7 A ON JUL 28	0B ON MAR 01	15 900	1973
1974	41.3 AT 17:36 CST ON APR 19 *	30.0 ON APR 20 *	0B ON MAR 01	17 300	1974
1975	11.8 AT 19:24 CST ON APR 28	11.3 ON APR 29	0 ON JUL 25	11 300	1975
1976	---	7.19 B ON APR 08	0B ON MAR 01	5 450	1976
1977	6.71 AT 20:34 CST ON MAY 25	4.45 ON MAY 26	0 ON APR 25	4 120	1977
1978	8.69 B AT 10:23 CST ON APR 19	7.90 B ON APR 19	0 ON JUL 10	7 630	1978
1979	17.9 AT 21:53 CST ON APR 25	14.8 ON APR 25	0B ON MAR 01	14 600	1979
1980	11.5 B AT 21:13 CST ON APR 15	9.04 B ON APR 16	0B ON MAR 01	4 070	1980
1981	0.445B AT 12:14 CST ON MAR 17	0.333B ON MAR 31	0B ON MAR 01	900	1981
1982	7.06 B AT 13:30 CST ON APR 17	5.74 B ON APR 17	0B ON MAR 01	3 210	1982
1983	6.29 AT 18:37 CST ON APR 21	4.26 B ON APR 21	0B ON MAR 01	2 420	1983
1984	1.73 B AT 01:53 CST ON APR 05	1.41 B ON APR 06	0B ON MAR 01	2 980	1984
1985	26.5 B AT 19:35 CST ON APR 14	21.4 B ON APR 14	0B ON MAR 01	12 000	1985
1986	10.1 B AT 12:29 CST ON APR 01	6.96 B ON APR 01	0B ON MAR 01	5 090	1986
1987	3.57 AT 01:30 CST ON APR 07	3.23 ON APR 07	0B ON MAR 01	1 350	1987
1988	12.8 B AT 01:29 CST ON APR 09	11.7 B ON APR 09	0B ON MAR 01	5 500	1988
1989	0.499 AT 14:59 CST ON APR 13	0.450 ON APR 13	0B ON MAR 01	250	1989
1990	4.88 AT 01:48 CST ON APR 04	4.14 ON APR 04	0B ON MAR 01	2 300	1990
				6 550	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LESLIE EAST DITCH NEAR COULEE - STATION NO. 11AB037

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0	0	0	0.001	0.001	0	0	0	---	---	0	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0.009	0	0	0	0	---	---	0.001	1923
MEAN	---	---	0	0	0	0.003	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 37 50 N
LONG 109 48 50 W
REGULATED

LESLIE EAST DITCH NEAR COULEE - STATION NO. 11AB037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1921	---	0.006 ON JUL 08	0 ON MAR 01 *	6.05	1921
1922	---	0.011 ON JUN 14	0 ON MAR 01	0.950	1922
1923	---	0.045E ON JUN 22 *	0 ON MAR 01	24.3	1923
				10.4	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LESLIE WEST DITCH NEAR COULEE - STATION NO. 11AB038

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	0	0	0	0.015	0	0	0	0	---	---	0.002	1920
1921	---	---	0	0	0	0.007	0.002	0	0	0	---	---	0.001	1921
1922	---	---	0	0	0	0.005	0	0	0	0	---	---	0.001	1922
MEAN	---	---	0	0	0	0.009	0.001	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 49 37 45 N
LONG 109 48 50 W
REGULATED

LESLIE WEST DITCH NEAR COULEE - STATION NO. 11AB038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	0.031 ON JUN 11 *	0 ON MAR 01 *	38.2	1920
1921	---	0.031 ON JUN 20	0 ON MAR 01	23.3	1921
1922	---	0.010 ON JUN 29	0 ON MAR 01	13.9	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		25.1	MEAN

LEWIS CREEK NEAR IMPERIAL - STATION NO. 05JH005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.080	0.093	0.001	0	0	0	0	0	---	---	0.022	1972
1973	---	---	0.026	0.012	0.005	0.020	0	0	0	0	---	---	0.008	1973
1974	---	---	0	1.71	0.401	0.134	0	0	0	0	---	---	0.277	1974
1975	---	---	0	0.479	0.214	0.048	0.007	0	0	0	---	---	0.093	1975
1976	---	---	0	0.508	0.019	0.043	0	0	0	0	---	---	0.070	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.006	0.054	0.011	0.009	0	0	0	0	---	---	0.010	1978
1979	---	---	0.002	0.761	0.169	0.004	0	0	0	0	---	---	0.115	1979
1980	---	---	0.188	0.287	0	0	0	0	0	0	---	---	0.059	1980
1981	---	0.008	0.003	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.384	0.003	0	0	0	0	0	---	---	0.047	1982
1983	---	---	0	0.181	0.005	0	0	0	0	0	---	---	0.023	1983
1984	---	---	0.003	0.003	0	0	0	0	0	0	---	---	0.001	1984
1985	---	---	0.395	1.05	0.077	0	0	0	0	0	---	---	0.188	1985
1986	---	0	0.082	0.002	0	0	0	0	0	0	---	---	0.011	1986
1987	---	---	0.058	0.061	0	0	0	0	0	0	---	---	0.015	1987
1988	---	---	0	0.005	0	0	0	0	0	0	---	---	0.001	1988
1989	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0.332	0.045	0	0	0	0	0	0	---	---	0.047	1990
MEAN	---	0.004	0.062	0.297	0.048	0.014	0	0	0	0	---	---	0.052	MEAN

LOCATION - LAT 51 18 02 N
LONG 105 22 52 W
DRAINAGE AREA, 572 km^2
NATURAL FLOW

LEWIS CREEK NEAR IMPERIAL - STATION NO. 05JH005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	0.835 AT 11:00 CST ON MAR 23	0.541 ON MAR 23	0B ON MAR 01 *	457	1972
1973	0.286B AT 18:32 CST ON MAR 19	0.144 ON MAR 20	0B ON MAR 01	167	1973
1974	17.7 B AT 10:35 CST ON APR 18 *	12.8 B ON APR 18 *	0B ON MAR 01	5 870	1974
1975	2.72 AT 17:10 CST ON APR 17	2.42 ON APR 17	0B ON MAR 01	1 960	1975
1976	3.75 AT 11:50 CST ON APR 06	3.28 ON APR 06	0B ON MAR 01	1 480	1976
1977	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1977
1978	0.680B AT 11:03 CST ON APR 02	0.450B ON APR 02	0B ON MAR 01	208	1978
1979	5.96 AT 19:51 CST ON APR 17	4.67 ON APR 18	0B ON MAR 01	2 440	1979
1980	8.46 B AT 11:19 CST ON MAR 31	3.88 B ON MAR 31	0B ON MAR 01	1 250	1980
1981	0.092B AT 01:48 CST ON FEB 26	0.027B ON MAR 01	0B ON MAR 08	8.29	1981
1982	7.65 B AT 11:40 CST ON APR 13	3.51 ON APR 14	0B ON MAR 01	1 000	1982
1983	1.34 B AT 13:22 CST ON APR 05	0.955B ON APR 05	0B ON MAR 01	492	1983
1984	0.067B AT 00:11 CST ON MAR 30	0.055B ON MAR 30	0 ON MAR 01	15.7	1984
1985	13.0 B AT 12:08 CST ON MAR 21	5.39 B ON APR 02	0B ON MAR 01	3 970	1985
1986	0.959B AT 16:29 CST ON MAR 04	0.644B ON MAR 04	0 ON APR 05	225	1986
1987	0.890 AT 16:47 CST ON APR 02	0.683B ON APR 02	0B ON MAR 01	315	1987
1988	0.084 AT 02:13 CST ON APR 11	0.061 ON APR 11	0B ON MAR 01	13.8	1988
1989	0.119B AT 19:02 CST ON APR 01	0.037B ON APR 01	0B ON MAR 01	3.37	1989
1990	2.81 B AT 12:33 CST ON MAR 12	2.41 B ON MAR 12	0B ON MAR 01	1 010	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 100	MEAN

LEWIS DITCH AT KLINTONEL - STATION NO. 05HD013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	0.005	0.005	---	---	---	---	---	1919
1920	---	---	---	---	---	---	0.006	---	---	---	---	---	---	1920
MEAN	---	---	---	---	---	---	0.006	0.005	---	---	---	---	---	MEAN

LOCATION - LAT 49 41 42 N
LONG 108 54 53 W REGULATED

LEWIS DITCH AT KLINTONEL - STATION NO. 05HD013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	---	---	1919
1920	---	---	---	---	1920
				---	MEAN

LIGHTNING CREEK NEAR CARNDUFF - STATION NO. 05NF006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	---	---	0.037	0.001	---	---	---	---	---	---	---	1936
1973	---	---	---	---	---	---	---	---	---	0.039	---	---	---	1973
1974	---	---	0.014	6.56	0.854	0.136	0.024	0.001	0	0.002	---	---	0.934	1974
1975	---	---	0	4.94	2.49	1.47	0.055	0.005	0.545	0.361	---	---	1.22	1975
1976	---	---	0.003	18.3	0.731	0.539	0.016	0.001	0.001	0.003	---	---	2.41	1976
1977	---	---	0.004	0.001	0.013	0.001	0	0	0	0	---	---	0.002	1977
1978	---	---	0.013	0.060	0.006	0.002	0.001	0	0	0	---	---	0.010	1978
1979	---	---	0	2.23	0.290	0.032	0.002	0.002	0	0	---	---	0.315	1979
1980	---	---	0	0.011	0.001	0	0	0	0	0	---	---	0.002	1980
1981	---	---	0.042	0.002	0.001	0	0	0	0	0	---	---	0.006	1981
1982	---	---	0	1.86	0.015	0.001	0	0	0	0	---	---	0.229	1982
1983	---	---	0	2.14	0.113	0.007	0.016	0	0	0.001	---	---	0.279	1983
1984	---	---	0.023	0.009	0.009	0.001	0	0	0	0	---	---	0.005	1984
1985	---	---	0.977	0.472	0.017	0.001	0	1.26	0.730	0.364	---	---	0.478	1985
1986	---	0.004	1.20	0.358	0.976	0.012	0.292	0.053	0.008	0.012	---	---	0.367	1986
1987	---	---	1.04	1.92	0.020	0.002	0	0	0	0	---	---	0.369	1987
1988	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.118	0.002	0	0	0	0	0	---	---	0.015	1989
1990	---	---	0	0	0	0	0	0	0	0	---	---	0	1990
MEAN	---	0.004	0.195	2.29	0.310	0.123	0.024	0.078	0.076	0.043	---	---	0.391	MEAN

LOCATION - LAT 49 13 17 N DRAINAGE AREA, 740 km^2
LONG 101 43 08 W NATURAL FLOW

LIGHTNING CREEK NEAR CARNDUFF - STATION NO. 05NF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	---	---	---	1936
1973	---	---	0 ON AUG 16 *	---	1973
1974	30.0 B AT 17:29 CST ON APR 17	26.1 B ON APR 17	0 ON JUL 30	19 800	1974
1975	24.4 AT 00:34 CST ON APR 30	23.1 ON APR 30	0 B ON MAR 01	25 800	1975
1976	49.8 AT 19:54 CST ON APR 10 *	44.7 ON APR 11 *	0 ON JUL 29	51 000	1976
1977	---	0.068E ON MAY 10	0 B ON MAR 01	50.5	1977
1978	---	0.600B ON APR 01	0 B ON MAR 01	215	1978
1979	16.2 B AT 23:36 CST ON APR 20	13.5 B ON APR 21	0 B ON MAR 01	6 660	1979
1980	0.044B AT 00:10 CST ON APR 06	0.034B ON APR 06	0 B ON MAR 01	31.8	1980
1981	---	0.300B ON MAR 01	0 ON MAY 19	119	1981
1982	21.8 B AT 02:36 CST ON APR 14	17.3 B ON APR 14	0 B ON MAR 01	4 860	1982
1983	5.57 AT 03:26 CST ON APR 24	5.46 ON APR 23	0 B ON MAR 01	5 910	1983
1984	0.271B AT 17:51 CST ON MAR 23	0.215B ON MAR 23	0 B ON MAR 01	113	1984
1985	6.49 B AT 12:42 CST ON MAR 15	3.71 ON AUG 25	0 B ON MAR 01	10 100	1985
1986	4.18 B AT 17:15 CST ON MAR 03	3.94 ON MAY 10	0.002 ON SEP 06	7 770	1986
1987	7.13 AT 12:55 CST ON APR 06	6.97 ON APR 06	0 B ON MAR 01	7 810	1987
1988	0.014 AT 11:35 CST ON MAY 03	0.008 ON MAY 03	0 B ON MAR 01	3.54	1988
1989	1.34 B AT 17:27 CST ON APR 06	0.933B ON APR 06	0 B ON MAR 01	312	1989
1990	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1990
				8 270	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LILIAN RIVER NEAR LADY LAKE - STATION NO. 05MC003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	1.33	1.76	2.07	0.523	0.181	0.327	0.206	0.227	---	---	1965
1966	---	---	---	---	1.28	0.843	---	---	---	---	---	---	---	1966
1967	---	---	---	0.886	---	---	---	---	---	---	---	---	---	1967
1969	---	---	---	---	0.072	0.057	0.021	0.004	0.008	0.058	---	---	---	1969
1970	---	---	0.010	1.47	1.04	0.343	0.262	0.060	0.055	0.120	---	---	0.417	1970
1971	---	---	0.003	4.18	0.554	0.346	0.148	0.049	0.006	0.018	---	---	0.653	1971
1972	---	---	0.013	4.71	2.58	0.215	0.125	0.023	0.027	0.047	---	---	0.972	1972
1973	---	---	0.120	0.769	0.229	0.257	0.034	0.011	0.016	0.017	---	---	0.179	1973
1974	---	---	0	2.61	1.66	1.22	0.079	0.050	0.072	0.085	---	---	0.714	1974
1975	---	---	0.014	2.50	1.13	0.901	0.190	0.061	0.141	0.122	---	---	0.625	1975
1976	---	---	0.012	4.89	0.368	1.69	0.474	0.089	0.016	0.088	---	---	0.938	1976
1977	---	---	0.017	0.937	0.109	0.041	0.040	0.037	0.057	0.035	---	---	0.157	1977
1978	---	---	0.005	1.48	0.134	0.022	0.072	0.032	0.038	0.031	---	---	0.224	1978
1979	---	---	0	3.40	1.91	0.395	0.069	0.023	0.032	0.078	---	---	0.733	1979
1980	---	---	0.021	1.09	0.068	0.028	0.027	0.026	0.046	0.088	---	---	0.171	1980
1981	---	---	0.208	0.514	0.097	0.068	0.025	0.055	0.035	0.175	---	---	0.146	1981
1982	---	---	0.026	0.730	0.055	0.108	0.042	0.032	0.022	0.055	---	---	0.132	1982
1983	---	---	0.015	1.59	0.689	0.429	0.516	0.065	0.008	0.037	---	---	0.416	1983
1984	---	---	0.145	1.12	0.306	0.461	0.031	0.021	0.012	0.098	---	---	0.271	1984
1985	---	---	0.002	2.52	0.388	0.112	0.023	0.023	0.017	0.048	---	---	0.386	1985
1986	---	---	0.048	1.80	0.194	0.083	0.107	0.039	0.020	0.027	0.033	---	0.286	1986
1987	---	---	0.032	1.73	0.124	0.062	0.106	0.063	0.023	0.040	---	---	0.268	1987
1988	---	---	0.039	2.26	0.546	0.052	0.019	0.010	0.009	0.027	---	---	0.365	1988
1989	---	---	0	0.305	0.059	0.085	0.052	0.017	0.024	0.040	---	---	0.072	1989
1990	---	---	0.004	1.07	0.216	0.063	0.114	0.005	0.003	0.003	---	---	0.182	1990
MEAN	---	---	0.035	1.91	0.653	0.415	0.135	0.042	0.044	0.067	0.130	---	0.396	MEAN

LOCATION - LAT 52 01 22 N DRAINAGE AREA, 229 km²
LONG 102 37 30 W NATURAL FLOW

LILIAN RIVER NEAR LADY LAKE - STATION NO. 05MC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	6.60 ON APR 26	0 B ON MAR 01 *	8 840	1970
1971	---	25.0 ON APR 17 *	0 B ON MAR 01	13 800	1971
1972	23.9 ON APR 26 *	23.1 ON APR 26	0.003B ON MAR 01	20 600	1972
1973	---	2.17 B ON APR 06	0 B ON MAR 01	3 800	1973
1974	---	12.0 B ON APR 21	0 B ON MAR 01	15 100	1974
1975	16.1 AT 14:26 CST ON APR 23	13.4 ON APR 24	0.003 ON AUG 19	13 200	1975
1976	21.3 AT 15:32 CST ON APR 12	20.3 ON APR 12	0.003 ON SEP 17	19 800	1976
1977	5.24 B AT 16:45 CST ON APR 13	4.79 B ON APR 14	0.012 ON AUG 24	3 320	1977
1978	9.37 B AT 14:32 CST ON APR 19	8.35 B ON APR 19	0 B ON MAR 01	4 740	1978
1979	18.4 B AT 13:50 CST ON APR 25	17.0 B ON APR 25	0 B ON MAR 01	15 500	1979
1980	6.90 AT 01:46 CST ON APR 15	6.43 ON APR 15	0.001 ON JUN 19	3 620	1980
1981	---	1.50 B ON APR 04	0.005 ON JUL 13	3 100	1981
1982	3.92 B AT 21:40 CST ON APR 16	3.27 B ON APR 17	0.008B ON APR 02	2 790	1982
1983	13.1 B AT 10:59 CST ON APR 24	12.6 B ON APR 24	0.001 ON SEP 07	8 800	1983
1984	3.86 B AT 06:24 CST ON APR 04	3.35 B ON APR 04	0.003 ON SEP 06	5 740	1984
1985	9.17 B AT 10:59 CST ON APR 15	8.57 B ON APR 15	0.001B ON MAR 01	8 170	1985
1986	6.67 B AT 19:36 CST ON APR 07	5.79 B ON APR 07	0.003B ON MAR 01	6 050	1986
1987	12.8 AT 12:02 CST ON APR 07	11.9 B ON APR 07	0.007 ON OCT 02	5 680	1987
1988	10.9 B AT 02:37 CST ON APR 08	9.63 B ON APR 08	0 B ON MAR 01	7 730	1988
1989	0.721B AT 18:38 CST ON APR 09	0.682B ON APR 09	0 B ON MAR 01	1 520	1989
1990	2.68 B AT 08:11 CST ON APR 06	2.27 B ON APR 06	0 B ON MAR 01	3 850	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 370	MEAN

LINDNER BROS. DITCH NEAR BATTLE CREEK - STATION NO. 11AB012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	0.002	---	---	---	---	---	1910
1911	---	---	0	0	0.021	0.029	0.010	0.001	0	0	---	---	0.008	1911
1912	---	---	0	0.017	0.038	0.079	0.083	0	0	0	---	---	0.027	1912
1913	---	---	0	0.005	0.106	0.119	0.142	0.003	0	0	---	---	0.047	1913
1914	---	---	0	0.006	0.067	0.019	0.023	0	0	0	---	---	0.014	1914
1915	---	---	0	0.066	0	0.011	0.038	0	0	0	---	---	0.014	1915
1916	---	---	0	0.036	0.035	0	0.013	0	0	0	---	---	0.011	1916
1917	---	---	0	0	0.044	0.054	0.057	0	0	0	---	---	0.019	1917
1918	---	---	0	0.042	0.039	0.072	0.056	0	0	0	---	---	0.026	1918
1919	---	---	0	0.036	0.035	0.012	0.008	0	0	0	---	---	0.011	1919
1920	---	---	0	0	0	0.051	0.035	0	0	0	---	---	0.011	1920
1921	---	---	0	0.042	0.007	0.019	0.060	0	0	0	---	---	0.016	1921
1922	---	---	0	0	0	0.090	0.021	0.002	0	0	---	---	0.014	1922
1923	---	---	0	0.013	0.073	0.035	0.007	0	0	0	---	---	0.016	1923
1924	---	---	0	0	0.009	0.017	0.010	0	0	0	---	---	0.004	1924
1925	---	---	0	0	0	0.021	0.019	0	0	0	---	---	0.005	1925
1926	---	---	0	0.001	0.044	0.066	0.003	0	0	0	---	---	0.014	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	---	---	---	---	---	---	---	---	---	---	---	1928
1929	---	---	0	0	0	0	0.025	0	0	0	---	---	0.003	1929
1930	---	---	0	0	0.009	0.076	0.013	0	0	0	---	---	0.012	1930
1931	---	---	0	0	0.045	0.029	0	0	0	0	---	---	0.009	1931
MEAN	---	---	0	0.013	0.029	0.040	0.031	0	0	0	---	---	0.014	MEAN

LOCATION - LAT 49 27 24 N
LONG 109 50 24 W REGULATED

LINDNER BROS. DITCH NEAR BATTLE CREEK - STATION NO. 11AB012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	0.091 ON MAY 15	0E ON MAR 01 *	160	1911
1912	---	0.235 ON APR 28	0E ON MAR 01	575	1912
1913	---	0.289 ON JUN 18	0E ON MAR 01	997	1913
1914	---	0.190 ON MAY 05	0E ON MAR 01	304	1914
1915	---	0.193 ON APR 13	0E ON MAR 01	302	1915
1916	---	0.275 ON MAY 06	0E ON MAR 01	225	1916
1917	---	0.368 ON MAY 16 *	0E ON MAR 01	410	1917
1918	---	0.221 ON APR 23	0E ON MAR 01	548	1918
1919	---	0.224 ON APR 19	0E ON MAR 01	240	1919
1920	---	0.204 ON JUN 17	0E ON MAR 01	227	1920
1921	---	0.164 ON APR 18	0E ON MAR 01	337	1921
1922	---	0.227 ON JUN 03	0E ON MAR 01	293	1922
1923	---	0.170 ON MAY 15	0E ON MAR 01	337	1923
1924	---	0.048 ON MAY 31	0E ON MAR 01	95.0	1924
1925	---	0.074 ON JUN 10	0E ON MAR 01	105	1925
1926	---	0.229 ON MAY 06	0E ON MAR 01	300	1926
1927	---	0.006 ON JUL 12	0E ON MAR 01	0.518	1927
1928	---	---	0 ON APR 12	---	1928
1929	---	0.130 ON JUL 08	0E ON MAR 01	68.1	1929
1930	---	0.181 ON MAY 31	0E ON MAR 01	255	1930
1931	---	0.127 ON MAY 23	0E ON MAR 01	196	1931
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		299	MEAN

LITTLE BOGGY CREEK NEAR COTE - STATION NO. 05MD006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0	2.48	1.25	0.391	0.203	0.095	0.040	0.055	---	---	0.560	1957
1958	---	---	0.039	0.437	0.316	0.215	0.165	0.119	0.246	0.356	---	---	0.236	1958
1959	---	---	0.672	0.946	0.395	0.390	0.202	0.237	0.333	0.429	---	---	0.449	1959
1960	---	---	0.046	2.28	0.730	0.569	0.163	0.071	0.089	0.103	---	---	0.501	1960
1961	---	---	0.068	0.246	0.280	0.120	0.048	0.005	0.004	0.034	---	---	0.100	1961
1962	---	---	0.018	1.05	0.456	0.216	0.079	0.056	0.070	0.083	---	---	0.251	1962
1963	---	---	0.923	0.474	0.309	0.258	0.550	0.136	0.125	0.176	---	---	0.370	1963
1964	---	---	0	0.651	0.375	0.138	0.150	0.125	0.118	0.167	---	---	0.214	1964
1965	---	---	0.025	1.38	0.493	0.364	0.186	0.056	0.156	0.284	---	---	0.365	1965
1966	---	---	0.049	1.58	0.489	0.638	0.231	0.196	0.093	0.057	---	---	0.412	1966
1967	---	---	0	0.798	0.700	0.188	0.074	0.043	0.027	0.078	---	---	0.237	1967
1968	---	---	0.164	0.669	0.226	0.172	0.227	0.170	0.111	0.189	---	---	0.240	1968
1969	---	---	0	0.871	0.237	0.064	0.096	0.090	0.101	0.172	---	---	0.202	1969
1970	---	---	0	0.877	0.465	0.081	0.242	0.029	0.089	0.283	---	---	0.257	1970
1971	---	---	0.084	2.09	0.269	0.072	0.234	0.132	0.026	0.134	---	---	0.376	1971
1972	---	---	0.030	2.34	0.423	0.055	0.064	0.042	0.063	0.118	---	---	0.387	1972
1973	---	---	0.242	0.433	0.237	0.718	0.113	0.102	0.104	0.103	---	---	0.254	1973
MEAN	---	---	0.139	1.15	0.450	0.273	0.178	0.100	0.106	0.166	---	---	0.318	MEAN

LOCATION - LAT 51 31 02 N DRAINAGE AREA, 248 km^2
LONG 101 46 57 W NATURAL FLOW

LITTLE BOGGY CREEK NEAR COTE - STATION NO. 05MD006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	8.16 ON APR 20	0 B ON MAR 01 *	11 800	1957
1958	0.708 AT 16:00 CST ON APR 19	0.680 ON APR 19	0 B ON MAR 01	4 990	1958
1959	---	5.13 A ON MAR 30	0 B ON MAR 01	9 510	1959
1960	9.85 AT 11:30 CST ON APR 14	7.50 ON APR 14	0.028A ON AUG 15	10 600	1960
1961	---	0.691A ON APR 20	0 ON AUG 17	2 130	1961
1962	---	5.38 B ON APR 21	0.008 ON AUG 22	5 300	1962
1963	---	2.57 A ON JUL 11	0.011B ON MAR 01	7 830	1963
1964	---	1.88 B ON APR 11	0 B ON MAR 01	4 540	1964
1965	---	6.46 B ON APR 12	0 B ON MAR 01	7 730	1965
1966	4.02 AT 15:00 CST ON APR 14	3.85 ON APR 13	0 B ON MAR 01	8 720	1966
1967	---	2.71 B ON APR 29	0 B ON MAR 01	5 030	1967
1968	1.86 AT 12:45 CST ON APR 09	1.60 ON APR 09	0.054B ON MAR 21	5 090	1968
1969	---	2.86 B ON APR 14	0 B ON MAR 01	4 280	1969
1970	2.67 AT 14:00 CST ON APR 19	2.21 B ON APR 19	0 B ON MAR 01	5 440	1970
1971	10.6 B AT 06:35 CST ON APR 11 *	10.4 B ON APR 11 *	0 ON JUN 03	7 960	1971
1972	7.65 AT 08:40 CST ON APR 21	6.80 ON APR 21	0 E ON MAR 27	8 190	1972
1973	---	3.09 E ON JUN 04	0 E ON MAR 01	5 390	1973
MEAN				6 740	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BREED CREEK NEAR BUZZARD'S RANCH - STATION NO. 11AC028

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	0.004	0.378	0	0.050	0	0.002	0.002	0.013	---	---	---	1914
1915	---	---	---	0.347	0.056	---	0	0	0	0	---	---	---	1915
1916	---	---	---	2.45	0.457	0.074	0	0	0	0	---	---	---	1916
MEAN	---	---	0.004	1.06	0.171	0.062	0	0.001	0.001	0.004	---	---	---	MEAN

LOCATION - LAT 49 06 45 N, LONG 107 22 36 W DRAINAGE AREA, 159 km^2, NATURAL FLOW

LITTLE BREED CREEK NEAR BUZZARD'S RANCH - STATION NO. 11AC028

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	19.7 ON MAR 28 *	0 ON APR 16 * 0E ON JUN 25	---	1916
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LITTLE BRIDGE CREEK NEAR ARMLEY - STATION NO. 05KB008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0.730	---	1.47	---	---	---	---	---	---	---	1973
1974	---	---	---	4.07	1.34	1.36	---	---	---	---	---	---	---	1974
1975	---	---	0	1.71	0.508	0.138	0	0	0	0	---	---	0.291	1975
1976	---	---	0	0.567	0.003	0	0	0	0	0	---	---	0.070	1976
1977	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	1.53	0.197	0	0	0	0	0	---	---	0.213	1978
1979	---	---	0	3.32	1.23	0.241	0.083	0	0	0	---	---	0.603	1979
1980	---	---	0	0.933	0.071	0	0	0	0	0	---	---	0.123	1980
1981	---	---	0.021	0.018	0.004	0	0	0	0	0	---	---	0.005	1981
1982	---	---	0	0.990	0.091	0.126	0.027	0	0	0	---	---	0.152	1982
1983	---	---	0	0.950	0.325	0.002	0	0	0	0	---	---	0.158	1983
1984	---	---	0	0.896	0.304	0.246	0.009	0	0	0	---	---	0.179	1984
1985	---	---	0	2.95	0.091	0.036	0.098	0	0	0	---	---	0.390	1985
1986	---	---	0.055	0.665	0.185	0.008	0	0	0	0	---	---	0.113	1986
1987	---	---	0	0.381	0.001	0	0	0	0	0	---	---	0.047	1987
1988	---	---	0	1.20	0.017	0	0	0	0	0	---	---	0.150	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0.347	0.018	0	0.002	0	0	0	---	---	0.045	1990
MEAN	---	---	0.005	1.18	0.258	0.202	0.014	0	0	0	---	---	0.159	MEAN

LOCATION - LAT 53 09 28 N, LONG 104 10 17 W DRAINAGE AREA, 87 km^2, NATURAL FLOW

LITTLE BRIDGE CREEK NEAR ARMLEY - STATION NO. 05KB008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	9.51 ON APR 29	0B ON MAR 01 *	6 150	1975
1976	---	3.77 B ON APR 06	0B ON MAR 01	1 480	1976
1977	---	0.014 ON APR 12	0B ON MAR 01	4.67	1977
1978	---	6.48 B ON APR 19	0B ON MAR 01	4 500	1978
1979	---	16.5 A ON APR 24	0B ON MAR 01	12 800	1979
1980	8.17B AT 20:45 CST ON APR 14	7.04 ON APR 15	0B ON MAR 01	2 610	1980
1981	---	0.090B ON MAR 17	0B ON MAR 01	115	1981
1982	8.39B AT 02:19 CST ON APR 17	6.44 B ON APR 17	0B ON MAR 01	3 210	1982
1983	11.5 AT 21:16 CST ON APR 21	7.89 B ON APR 21	0B ON MAR 01	3 340	1983
1984	7.77 AT 20:40 CST ON APR 08	4.73 B ON APR 08	0B ON MAR 01	3 800	1984
1985	20.0 B AT 00:15 CST ON APR 14 *	18.1 B ON APR 14 *	0B ON MAR 01	8 250	1985
1986	---	3.41 B ON APR 01	0B ON MAR 01	2 390	1986
1987	4.52 AT 00:09 CST ON APR 08	2.67 B ON APR 07	0B ON MAR 01	990	1987
1988	14.8 B AT 21:25 CST ON APR 12	10.5 B ON APR 12	0B ON MAR 01	3 170	1988
1989	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1989
1990	5.44 AT 21:58 CST ON APR 02	3.07 ON APR 03	0B ON MAR 01	953	1990
				3 360	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	0.020	0	0	0	0	0	---	---	---	1910
1911	---	---	1.85	3.06	0.425	0.592	0.896	0	4.19	0.040	---	---	1.37	1911
1912	---	---	0.003	20.1	0.750	0.466	0.007	0	0	0	---	---	2.61	1912
1913	---	---	0.031	15.8	0.698	0.052	0.072	0.005	0	0	---	---	2.04	1913
1914	---	---	1.70	3.49	0.162	0.002	0	0	0	0.513	---	---	0.728	1914
1915	---	---	---	7.37	0.262	0.387	1.90	0.701	0.042	0.009	---	---	---	1915
1916	---	---	---	1.57	1.01	3.61	3.79	0.353	0.248	0.199	---	---	---	1916
1917	---	---	0	23.8	6.44	0.321	0.003	0	0	0	---	---	3.76	1917
1918	---	---	6.71	19.2	0.891	0.114	0	0	0	0	---	---	3.33	1918
1919	---	---	0	3.54	0.206	0.005	0	0	0	0	---	---	0.450	1919
1920	---	---	0.260	6.03	2.65	1.37	0.149	0	0	0	---	---	1.29	1920
1921	---	---	0.803	7.29	2.53	0.286	0.028	0	0	0	0	---	1.35	1921
1922	---	---	0	19.0	2.86	0.085	0.078	0.001	0	0	---	---	2.71	1922
1923	---	---	0.403	3.74	0.178	2.57	1.92	0.108	0.001	0	---	---	1.10	1923
1924	---	---	0	1.17	0.043	0.900	0.003	0	0	0	---	---	0.259	1924
1925	---	---	6.71	11.7	0.372	1.11	0	0	0.020	0.003	---	---	2.47	1925
1926	---	---	3.96	0.547	0.010	0	0.171	0	0	0	---	---	0.590	1926
1927	---	---	4.86	15.1	15.8	1.98	0.670	0.026	0	0	---	---	4.78	1927
1928	---	---	10.3	6.75	0.634	0.176	0.273	0.056	0	0	---	---	2.27	1928
1929	---	---	0.552	3.99	3.22	0.112	0.001	0	0	0	---	---	0.979	1929
1930	---	2.26	3.88	3.67	0.075	0.001	0.003	0	0	0	---	---	0.951	1930
1931	---	---	0	0.028	0	0.036	0.145	0.017	0	0	---	---	0.028	1931
1932	---	0.550	2.30	2.06	0.156	0.120	0	0	0	0	---	---	0.577	1932
1933	---	---	2.76	1.14	1.20	0.276	0.472	0.007	0	0	---	---	0.735	1933
1934	---	1.64	4.35	1.25	0.013	0.177	0	0	0	0	---	---	0.728	1934
1935	---	---	3.63	3.99	0.162	0.003	0.034	0	0	0	---	---	0.973	1935
1936	---	---	0	5.80	0.122	0	0	0	0	0	---	---	0.725	1936
1937	0	0	0.177	7.19	0.056	0.011	0	0	0	0	---	---	0.911	1937
1938	---	---	4.26	3.42	0.317	0.304	0.769	0	1.28	0	---	---	1.29	1938
1939	---	---	11.4	1.06	0.080	0.729	0.140	0	0	0	---	---	1.69	1939
1940	---	---	0	18.6	1.66	0.221	0.173	0.283	0.200	0.054	---	---	2.60	1940
1941	---	---	6.63	0.358	0.016	0.510	0.572	0	0	0	---	---	1.02	1941
1942	---	---	0.221	1.22	0.006	3.10	0.333	0	0	0.028	---	---	0.604	1942
1943	---	---	12.6	3.96	0.050	0.015	0.141	0	0.016	0.001	---	---	2.10	1943
1944	---	---	0.030	0.396	0.007	0.076	0.742	0	0	0	---	---	0.156	1944
1945	---	---	3.54	0.111	0.003	0	0	0	0	0	---	---	0.462	1945
1946	---	---	3.58	0.711	0.004	0.037	0	0	0	0	---	---	0.545	1946
1947	---	---	4.05	4.79	0.152	0.052	0	0	0	0	---	---	1.12	1947
1948	---	---	0.016	7.22	1.70	0.093	0	0	0	0	---	---	1.11	1948
1949	---	---	0	0.147	0.020	0.001	0	0	0	0	---	---	0.021	1949
1950	---	---	0	5.14	0.049	0	0	0	0	0	---	---	0.635	1950
1951	---	---	0	9.41	4.73	0.786	0.070	2.15	1.33	0.101	---	---	2.30	1951
MEAN	0	1.11	2.60	6.22	1.18	0.493	0.323	0.088	0.174	0.023	0	---	1.37	MEAN

LOCATION - LAT 49 01 00 N, LONG 109 45 00 W DRAINAGE AREA, 1 970 km^2 NATURAL FLOW INTERNATIONAL GAUGING STATION

LODGE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0E ON JUN 01 *	---	1910
1911	---	47.3 ON SEP 07	0 ON MAR 01	28 900	1911
1912	---	92.9 ON APR 05	0 ON MAR 01	55 300	1912
1913	---	39.1 ON APR 12	0B ON MAR 01	43 200	1913
1914	---	15.7 ON MAR 16	0E ON MAR 01	15 400	1914
1915	---	39.6 ON APR 04	0 ON AUG 19	---	1915
1916	---	---	---	---	1916
1917	---	59.5 B ON APR 10	0B ON MAR 01	79 700	1917
1918	---	76.5 B ON MAR 31	0B ON MAR 01	70 400	1918
1919	---	9.57A ON APR 20	0 ON MAR 01	9 740	1919
1920	---	14.7 A ON JUN 18	0B ON MAR 01	27 400	1920
1921	---	30.3 ON APR 16	0B ON MAR 01	28 600	1921
1922	---	47.3 B ON APR 08	0B ON MAR 01	57 300	1922
1923	---	35.4 ON JUN 22	0B ON MAR 01	23 300	1923
1924	---	13.6 ON JUN 09	0B ON MAR 01	5 480	1924
1925	---	41.9 ON APR 24	0B ON MAR 01	52 200	1925
1926	---	12.7 B ON MAR 02	0 ON MAY 24	12 500	1926
1927	---	84.4 ON MAY 23	0B ON MAR 01	101 000	1927
1928	---	79.3 B ON MAR 24	0B ON MAR 01	48 000	1928
1929	---	25.2 ON MAY 01	0 ON MAR 01	20 700	1929
1930	---	22.6 B ON MAR 12	0 ON JUN 11	20 100	1930
1931	---	2.38 ON JUL 01	0 ON MAR 01	603	1931
1932	---	15.5 ON APR 03	0 ON JUL 01	12 200	1932
1933	---	11.0 B ON MAR 20	0B ON MAR 01	15 600	1933
1934	---	5.49B ON MAR 11	0A ON MAY 30	15 400	1934
1935	---	20.7 ON MAR 16	0 ON MAR 01	20 600	1935
1936	---	31.1 B ON APR 11	0B ON MAR 01	15 400	1936
1937	---	47.6 ON APR 10	0 ON MAR 01	19 300	1937
1938	---	30.0 B ON MAR 28	0B ON MAR 01	27 300	1938
1939	---	97.1 ON MAR 23	0 ON MAR 01	35 700	1939
1940	---	83.8 ON APR 19	0 ON MAR 01	55 000	1940
1941	---	58.0 B ON MAR 20	0B ON MAR 01	21 600	1941
1942	---	40.5 ON JUN 27	0 ON MAR 01	12 800	1942
1943	---	121 ON MAR 30 *	0 ON MAR 01	44 500	1943
1944	---	12.5 ON JUL 06	0B ON MAR 01	3 310	1944
1945	---	16.7 B ON MAR 20	0 ON MAR 01	9 780	1945
1946	---	8.64 ON MAR 29	0 ON MAY 11	11 500	1946
1947	---	25.3 ON MAR 29	0 ON MAR 01	23 800	1947
1948	---	23.4 ON APR 18	0 ON MAR 01	23 500	1948
1949	---	1.32 ON APR 08	0 ON MAR 01	436	1949
1950	---	25.1 ON APR 14	0 ON MAR 01	13 400	1950
1951	---	40.5 ON AUG 31	0B ON MAR 01	48 800	1951
				29 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK BELOW MCRAE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB083

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1952	---	---	0.041	53.8	2.25	0.245	0.359	0.005	0	0	---	---	6.95	1952
1953	---	---	0	1.35	4.02	4.95	0.043	0.002	0	0	---	---	1.29	1953
1954	---	0	0	2.32	0.198	0.381	0.003	0	0	0.031	---	---	0.360	1954
1955	---	---	0.442	18.1	4.77	0.421	4.92	0.058	0	0.023	---	---	3.56	1955
1956	---	---	0.329	1.41	0.847	0.092	1.23	0.064	0.007	0.002	---	---	0.743	1956
1957	---	---	0.512	7.59	1.13	0.172	0.001	0	0	0	---	---	1.16	1957
1958	---	---	2.18	13.8	0.145	0.035	0	0	0	0	---	---	1.99	1958
1959	---	---	2.85	2.34	0.083	0.126	0.025	0	0	0	---	---	0.675	1959
1960	---	---	5.99	1.85	2.87	0.352	0.012	0	0	0	---	---	1.39	1960
1961	---	---	0.146	0.185	0.046	0.013	0	0	0	0	---	---	0.049	1961
1962	---	---	0.351	0.710	0.031	5.96	0.106	0.077	0.002	0	---	---	0.889	1962
1963	---	---	0.296	0.689	0.016	0	1.72	0.095	0	0	---	---	0.354	1963
1964	---	---	0	0.853	0.839	0.255	0.002	0	0	0	---	---	0.242	1964
1965	---	---	0	12.7	2.14	8.32	2.44	0.089	0.350	0.095	---	---	3.22	1965
1966	---	---	6.91	3.81	0.324	0.197	0.073	0.004	0.039	0.039	---	---	1.43	1966
1967	---	---	0.310	12.5	14.2	0.750	0.073	0.015	0	0	---	---	1.46	1967
1968	---	---	0.088	0.586	0.163	0.153	0.002	0	0	0	---	---	0.125	1968
1969	---	---	0	7.80	0.140	0.095	0.008	0	0	0	---	---	0.986	1969
1970	---	---	0	2.33	3.40	0.248	0.131	0	0	0	---	---	0.762	1970
1971	---	---	0.006	3.83	0.794	0.296	0	0.011	0.083	0	---	---	0.618	1971
1972	---	---	3.85	0.504	0.127	0.474	0.115	0.034	0	0	---	---	0.642	1972
1973	---	---	0.178	0.064	0.217	0.040	0.001	0	0	0	---	---	0.050	1973
1974	---	---	0.440	2.08	2.22	0.532	0.027	0.201	0	0	---	---	0.685	1974
1975	---	---	0	4.31	5.39	3.16	0.200	0.069	0.003	0	---	---	1.63	1975
1976	---	---	5.75	2.31	0.187	0.012	0.070	0	0.091	0	---	---	1.06	1976
1977	---	---	0.014	0.076	0.233	0.012	0	0	0	0	---	---	0.042	1977
1978	---	---	0	7.13	1.16	0.151	0.007	0	0.132	0.003	---	---	1.06	1978
1979	---	---	5.40	4.38	1.42	0.160	0.011	0.033	0	0.081	---	---	1.44	1979
1980	---	---	0.005	0.023	0.192	0.048	0	0	0	0	---	---	0.034	1980
1981	---	---	0.024	0.004	0.053	0.046	0.026	0.001	0	0	---	---	0.019	1981
1982	---	---	0	5.26	1.18	2.11	0.058	0	0	0	---	---	1.06	1982
1983	---	---	0.139	0.144	0.015	0.338	0.177	0.001	0.121	0.008	---	---	0.117	1983
1984	---	---	0	0.129	0.100	0	0	0	0	0	---	---	0.028	1984
1985	---	---	0.232	1.58	1.51	0.302	0.160	0	0	0.003	---	---	0.471	1985
1986	---	0.543	6.23	0.334	1.25	0.096	0.071	0.003	19.2	1.48	---	---	3.55	1986
1987	---	---	5.72	1.61	0.532	0.057	0.001	0	0	0.152	---	---	0.976	1987
1988	---	---	0.003	0.409	0.032	0.080	0.005	0	0	0	---	---	0.065	1988
1989	---	---	0.082	0.078	0.450	0.111	0	0	0	0	---	---	0.091	1989
1990	---	---	4.46	0.432	0.745	0.364	0.007	0	0	0	---	---	0.757	1990
MEAN	---	0.272	1.36	4.65	1.41	0.799	0.310	0.020	0.514	0.049	---	---	1.13	MEAN

LOCATION - LAT 49 00 19 N DRAINAGE AREA, 2 140 km² INTERNATIONAL GAUGING STATION
LONG 109 43 02 W REGULATED

LODGE CREEK BELOW MCRAE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB083

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1952	158 ON APR 13	140 ON APR 14	0B ON MAR 01 *	147 000	1952
1953	68.2 AT 08:00 MST ON JUN 04	52.7 ON JUN 04	0B ON MAR 01	27 200	1953
1954	17.8 AT 20:00 MST ON APR 06	10.4 ON APR 06	0 ON MAR 01	7 630	1954
1955	94.9 AT 18:30 MST ON APR 19	63.1 ON APR 19	0 ON AUG 27	75 400	1955
1956	16.3 AT 05:30 MST ON JUL 04	11.8 ON JUL 04	0B ON MAR 01	15 700	1956
1957	42.5 B AT 17:00 MST ON APR 05	17.7 B ON APR 05	0B ON MAR 01	24 500	1957
1958	77.0 B AT 23:00 MST ON APR 05	68.5 B ON APR 05	0 ON JUN 27	42 100	1958
1959	20.0 B AT 21:10 MST ON MAR 28	17.8 B ON MAR 28	0B ON MAR 01	14 300	1959
1960	28.3 AT 01:00 MST ON MAR 24	26.0 ON MAR 23	0B ON MAR 01	29 500	1960
1961	3.79 AT 09:30 MST ON APR 25	2.32 ON APR 25	0B ON MAR 01	1 030	1961
1962	220 AT 10:00 MST ON JUN 14	129 ON JUN 14	0 ON MAR 01	18 800	1962
1963	8.24 AT 02:00 MST ON JUL 09	5.58 ON JUL 07	0B ON MAR 01	7 500	1963
1964	2.63 AT 13:00 MST ON MAY 15	2.21 ON MAY 03	0 ON MAR 01	5 130	1964
1965	93.2 AT 04:00 MST ON JUN 27	74.2 ON JUN 27	0B ON MAR 01	68 100	1965
1966	55.2 AT 19:30 MST ON MAR 30	50.1 ON MAR 30	0B ON MAR 01	30 200	1966
1967	60.9 AT 19:00 MST ON APR 28	53.5 ON MAY 08	0 ON JUL 21	73 200	1967
1968	1.81 AT 09:00 MST ON APR 16	1.73 ON APR 28	0 ON MAR 01	2 650	1968
1969	54.9 AT 17:30 MST ON APR 07	46.4 ON APR 08	0B ON MAR 01	20 900	1969
1970	10.9 AT 20:00 MST ON APR 12	9.97 ON APR 12	0 ON MAR 01	16 100	1970
1971	13.0 AT 21:00 CST ON APR 17	11.8 ON APR 17	0 ON MAR 01	13 100	1971
1972	40.5 B AT 08:30 MST ON MAR 19	30.6 B ON MAR 19	0 ON MAR 01	13 600	1972
1973	0.878B AT 08:00 MST ON MAR 13	0.595B ON MAR 13	0 ON MAR 01	1 060	1973
1974	11.0 AT 05:00 CST ON MAY 22	7.93 ON MAY 22	0 ON JUL 18	14 500	1974
1975	35.4 AT 08:54 CST ON MAY 08	31.7 ON MAY 08	0B ON MAR 01	34 500	1975
1976	36.8 B AT 18:00 CST ON MAR 20	28.1 B ON MAR 21	0 ON AUG 01	22 300	1976
1977	1.08 AT 04:30 CST ON MAY 17	0.906 ON MAY 17	0 ON MAR 01	890	1977
1978	33.4 AT 20:40 CST ON APR 05	30.3 ON APR 05	0B ON MAR 01	22 300	1978
1979	28.5 B AT 21:00 CST ON MAR 19	24.7 B ON MAR 19	0B ON MAR 01	30 400	1979
1980	0.502 AT 06:00 CST ON MAY 15	0.445 ON MAY 15	0 ON MAR 01	713	1980
1981	0.625 AT 23:30 CST ON JUN 01	0.441 ON JUN 02	0 ON APR 21	407	1981
1982	32.5 AT 10:30 CST ON APR 25	31.1 ON APR 25	0B ON MAR 01	22 400	1982
1983	1.53 AT 19:00 CST ON JUN 03	1.52 ON JUN 03	0 ON MAR 01	2 480	1983
1984	0.707 AT 12:00 CST ON APR 15	0.703 ON APR 16	0 ON MAR 01	601	1984
1985	4.64 AT 01:00 CST ON JUL 19	3.15 ON JUL 19	0 ON MAR 01	9 960	1985
1986	280 AT 19:00 CST ON SEP 25 *	220 ON SEP 26 *	0 ON JUL 10	75 100	1986
1987	35.0 B AT 16:20 CST ON MAR 07	32.0 B ON MAR 07	0 ON JUL 15	20 700	1987
1988	0.972 AT 17:00 CST ON APR 28	0.965A ON APR 28	0A ON MAR 01	1 370	1988
1989	1.94 AT 20:30 CST ON MAY 16	1.78 ON MAY 17	0 ON MAR 01	1 920	1989
1990	15.0 B AT 22:15 CST ON MAR 07	11.7 B ON MAR 12	0 ON JUL 19	16 000	1990
				23 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK BELOW SPANGLER PROJECT - STATION NO. 11AB088

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	0	0	0	0	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	---	1961
1962	---	---	0.059	0.362	0	2.01	0.015	0.112	0	0	---	---	---	1962
1963	---	---	0.279	0.499	0	0	1.26	0.014	0	0	---	---	---	1963
1964	---	---	0	1.04	0.676	0.202	0	0	0	0	---	---	---	1964
1965	---	---	0	9.79	1.49	5.98	1.56	0.097	0.311	0.062	---	---	---	1965
1966	---	---	5.54	2.22	0.168	0.032	0.092	0.006	0.086	0	---	---	---	1966
MEAN	---	---	0.980	2.32	0.389	1.37	0.418	0.033	0.057	0.009	---	---	---	MEAN

LOCATION - LAT 49 05 50 N LONG 109 50 00 W DRAINAGE AREA, 1 080 km² REGULATED

LODGE CREEK BELOW SPANGLER PROJECT - STATION NO. 11AB088

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	---	---	1960
1961	0 AT 00:00 MST ON MAR 01	---	0 ON JUL 01 *	---	1961
1962	91.2 AT 03:00 MST ON JUN 14 *	---	---	---	1962
1963	4.11 AT 24:00 MST ON JUL 30	---	---	---	1963
1964	2.03 AT 07:00 MST ON MAY 03	---	---	---	1964
1965	65.1 AT 23:00 MST ON JUN 26	---	---	---	1965
1966	46.2 AT 11:00 MST ON MAR 30	---	---	---	1966
	* - EXTREME RECORDED FOR THE PERIOD OF RECORD			---	MEAN

LODGE CREEK NEAR ALBERTA BOUNDARY - STATION NO. 11AB082

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	0	9.34	3.97	0.632	0.031	2.25	0.411	0.176	---	---	2.08	1951
1952	---	---	0	36.3	1.40	0.032	0.019	0	0	0	---	---	4.63	1952
1953	---	---	0.066	2.51	3.44	4.43	0.027	0	0	0	---	---	1.30	1953
1954	---	---	0	1.68	0.327	0.200	0.049	0.032	0.011	0.005	---	---	0.283	1954
1955	---	---	0.320	10.7	4.68	0.343	4.37	0.015	0.230	0	---	---	2.57	1955
1956	---	---	0.151	2.05	0.552	0.031	0.613	0.452	0.012	0.127	---	---	0.607	1956
1957	---	---	0.156	6.12	1.01	0.040	0.242	0.310	0.012	0.133	---	---	0.993	1957
1958	---	---	0.430	10.0	0.126	0.005	0.079	0.348	0.002	0	---	---	1.43	1958
1959	---	---	1.97	2.03	0.030	0.004	0.006	0	0	0	---	---	0.503	1959
1960	---	---	4.98	0.920	1.12	0.040	0	0	0	0	---	---	0.889	1960
1961	---	---	0.410	0.003	0.101	0.069	0.149	0	0	0	---	---	0.092	1961
1962	---	---	1.02	0.484	0	0.456	0.189	0	0	0	---	---	0.268	1962
1963	---	---	1.01	0.496	0.002	0.190	2.27	0	0	0	---	---	0.500	1963
1964	---	---	0.235	1.44	1.11	0.003	0	0	0	0	---	---	0.347	1964
1965	---	---	0	11.9	1.51	5.09	1.07	0.005	0.117	0.021	---	---	2.43	1965
1966	---	---	5.03	2.16	0.381	0.265	0.040	0	0	0	---	---	0.987	1966
1967	---	---	0.028	9.14	10.0	0.752	0.102	0.095	0.001	0.002	---	---	2.51	1967
1968	---	---	0.508	0.244	0.251	0.052	0	0	0	0	---	---	0.132	1968
1969	---	---	0	6.89	0.182	0	0	0	0	0	---	---	0.867	1969
1970	---	---	0	4.06	2.04	0.678	0.153	0	0	0	---	---	0.857	1970
1971	---	---	0	5.13	0.501	0.288	0	0	0	0	---	---	0.726	1971
1972	---	---	4.32	0.256	0.013	0.179	0.005	0	0	0	---	---	0.603	1972
1973	---	---	0.179	0.220	0.168	0.203	0	0	0	0	---	---	0.096	1973
1974	---	---	0.018	3.48	1.40	0.237	0.002	0	0	0	---	---	0.636	1974
1975	---	---	0	4.03	4.25	2.48	0.057	0.003	0.001	0	---	---	1.34	1975
1976	---	0.267	4.70	2.01	0.057	0.197	0.020	0	0	0	---	---	0.874	1976
1977	---	---	0.003	0.071	0.002	0	0	0	0	0	---	---	0.009	1977
1978	---	---	0.093	5.75	0.908	0.033	0.360	0	0.083	0.001	---	---	0.891	1978
1979	---	---	3.65	3.93	1.19	0.044	0.002	0	0	0	---	---	1.10	1979
1980	---	---	0	0.265	0.002	0.001	0	0	0	0	---	---	0.033	1980
1981	---	---	0.094	0.001	0.079	0.072	0	0	0	0	---	---	0.031	1981
1982	---	---	0	5.57	1.55	2.00	0.005	0	0	0	---	---	1.12	1982
1983	---	---	0.257	0.091	0.755	0.006	0.300	0.005	0	0	---	---	0.179	1983
1984	---	---	0.017	0.258	0.008	0	0	0	0	0	---	---	0.035	1984
1985	---	---	0.839	3.24	1.23	0.086	0	0	0.059	0.007	---	---	0.677	1985
1986	---	3.36	3.93	0.233	1.19	0.100	0.001	0	9.38	0.762	---	---	1.93	1986
1987	---	0.538	6.66	1.70	0.089	0.017	0.231	0.017	0.005	0.003	---	---	1.10	1987
1988	---	---	0.097	0.541	0.021	0	0	0	0	0	---	---	0.081	1988
1989	---	---	0.128	0.615	0.092	0.083	0	0	0	0	---	---	0.113	1989
1990	---	---	4.01	0.359	1.60	0.128	0.004	0	0	0	---	---	0.771	1990
MEAN	---	1.39	1.13	3.94	1.19	0.487	0.260	0.088	0.258	0.031	---	---	0.916	MEAN

LOCATION - LAT 49 12 10 N LONG 109 59 05 W DRAINAGE AREA, 908 km² NATURAL FLOW

LODGE CREEK NEAR ALBERTA BOUNDARY - STATION NO. 11AB082

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1951	---		45.0	ON AUG 30	0B	ON MAR 01 *	44 100	1951
1952	137	AT 10:00 MST ON APR 16	110	ON APR 16	0B	ON MAR 01	98 000	1952
1953	73.1	AT 16:00 MST ON JUN 03	43.3	ON JUN 03	0B	ON MAR 01	27 500	1953
1954	---		5.86 B	ON APR 07	0B	ON MAR 01	6 000	1954
1955	64.6	AT 12:00 MST ON JUL 13	45.3	ON JUL 13	0B	ON MAR 01	54 400	1955
1956	9.17	AT 01:00 MST ON APR 11	6.60	ON APR 11	0B	ON MAR 01	12 800	1956
1957	19.3 B	AT 02:00 MST ON APR 05	15.5 B	ON APR 05	0B	ON MAR 01	21 000	1957
1958	75.6	AT 09:00 MST ON APR 05	68.2	ON APR 05	0	ON JUN 04	30 200	1958
1959	15.3 B	AT 02:00 MST ON MAR 28	11.8 B	ON MAR 27	0B	ON MAR 01	10 600	1959
1960	21.5 B	AT 01:00 MST ON MAR 23	17.2 B	ON MAR 23	0B	ON MAR 01	18 800	1960
1961	4.67	AT 07:30 MST ON MAR 18	2.49	ON MAR 18	0B	ON MAR 01	1 950	1961
1962	21.1	AT 06:00 MST ON JUN 14	10.4	ON JUN 14	0B	ON MAR 01	5 680	1962
1963	33.7	AT 10:30 MST ON JUL 05	26.8	ON JUL 05	0	ON MAY 13	10 600	1963
1964	9.17	AT 15:00 MST ON MAY 09	7.65	ON MAY 09	0	ON MAR 01	7 350	1964
1965	67.4	AT 01:00 MST ON JUN 26	56.6 B	ON APR 15	0B	ON MAR 01	51 400	1965
1966	43.0	AT 01:00 MST ON MAR 30	34.8	ON MAR 29	0B	ON MAR 01	20 900	1966
1967	47.0	AT 01:00 MST ON MAY 08	38.2	ON MAY 07	0B	ON MAR 01	53 100	1967
1968	3.20	AT 07:30 MST ON MAR 08	2.13	ON MAR 08	0	ON JUL 01	2 800	1968
1969	44.2	AT 00:40 MST ON APR 07	41.6	ON APR 07	0	ON MAR 01	18 400	1969
1970	22.6	AT 05:00 MST ON APR 08	18.4	ON APR 08	0	ON MAR 01	18 100	1970
1971	20.9	AT 04:04 CST ON APR 10	16.2 B	ON APR 09	0B	ON MAR 01	15 400	1971
1972	37.7 B	AT 09:15 CST ON MAR 17	34.5 B	ON MAR 17	0B	ON MAR 01	12 800	1972
1973	2.86	AT 19:10 CST ON JUN 19	2.01	ON JUN 20	0B	ON MAR 01	2 030	1973
1974	11.1	AT 05:25 CST ON MAY 23	7.96	ON APR 08	0B	ON MAR 01	13 500	1974
1975	31.7	AT 06:27 CST ON JUN 21	25.5	ON MAY 07	0B	ON MAR 01	28 400	1975
1976	43.0 B	AT 03:44 CST ON MAR 19	32.3 B	ON MAR 19	0	ON JUL 21	18 500	1976
1977	1.76	AT 20:12 CST ON APR 07	0.821	ON APR 08	0	ON APR 19	194	1977
1978	35.7	AT 13:18 CST ON JUL 06	17.1	ON APR 06	0B	ON MAR 01	16 900	1978
1979	14.0	AT 20:49 CST ON APR 19	13.6	ON APR 19	0B	ON MAR 01	23 300	1979
1980	1.36 B	AT 12:51 CST ON APR 08	0.965B	ON APR 08	0B	ON MAR 01	694	1980
1981	2.66	AT 17:19 CST ON JUN 16	0.933	ON JUN 17	0	ON APR 17	656	1981
1982	36.3	AT 16:54 CST ON APR 24	33.8	ON APR 24	0B	ON MAR 01	23 800	1982
1983	5.70	AT 08:49 CST ON JUL 22	3.20	ON JUL 22	0B	ON MAR 01	3 760	1983
1984	0.945	AT 21:18 CST ON APR 09	0.710	ON APR 09	0B	ON MAR 01	733	1984
1985	9.95	AT 00:26 CST ON APR 04	9.37	ON APR 03	0B	ON MAR 01	14 300	1985
1986	177	AT 00:37 CST ON SEP 26 *	119	ON SEP 26 *	0	ON JUL 08	40 900	1986
1987	34.3 B	AT 19:30 CST ON MAR 07	29.6 B	ON MAR 07	0	ON JUL 04	23 200	1987
1988	5.17	AT 05:13 CST ON APR 05	3.47	ON APR 05	0B	ON MAR 01	1 720	1988
1989	5.92 B	AT 08:07 CST ON APR 01	2.47 B	ON APR 01	0B	ON MAR 01	2 400	1989
1990	31.7	AT 07:41 CST ON MAY 26	23.2	ON MAY 26	0B	ON MAR 01	16 300	1990
							19 400	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LOISELLE CREEK NEAR HUDSON BAY - STATION NO. 05LB004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.840	0.829	---	---	---	---	---	---	---	---	1956
1957	---	---	---	6.27	0.091	---	---	---	---	---	---	---	---	1957
1958	---	---	0.035	0.291	---	---	---	---	---	---	---	---	---	1958
1959	---	---	0.171	0.812	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	3.61	0.023	---	---	---	---	---	---	---	---	1960
1961	---	---	---	0.148	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	2.84	0.033	---	---	---	---	---	---	---	---	1962
1963	---	---	0.010	0.406	---	---	---	---	---	---	---	---	---	1963
1964	---	---	0	0.133	0.081	0	0	0	0	0	---	---	0.026	1964
1965	---	---	0	0.506	0.027	0.156	0.080	0.122	0.022	0.014	---	---	0.114	1965
1966	---	---	0.001	2.16	0.084	0.157	1.13	0.010	0.047	0.005	---	---	0.446	1966
1967	---	---	0	0.261	2.17	0.018	0.001	0	0	0	---	---	0.308	1967
1968	---	---	0.213	0.161	0.002	0.007	0.002	0.001	0	0.001	---	---	0.048	1968
1969	---	---	0	1.09	0.001	0	0.003	0	0	0.004	---	---	0.134	1969
1970	---	---	0	0.633	0.431	0.001	0.104	0	0	0.012	---	---	0.147	1970
1971	---	---	0	2.23	0.012	0	0	0	0	0	---	---	0.274	1971
1972	---	---	0	2.50	0.102	0	0	0	0	0	---	---	0.320	1972
1973	---	---	0.008	0.320	0.013	0.075	0.019	0	0	0	---	---	0.053	1973
1974	---	---	0	1.62	0.710	0.212	0.001	0	0	0	---	---	0.314	1974
1975	---	---	0	0.957	0.067	0	0	0	0.087	0.001	---	---	0.137	1975
1976	---	---	0	0.692	0.039	0.600	0.047	0	0	0	---	---	0.169	1976
1977	---	---	0	0.148	0	0	0	0	0	0	---	---	0.018	1977
1978	---	---	0.008	1.85	0.032	0.002	0.001	0	0	0	---	---	0.232	1978
1979	---	---	0	2.13	0.418	0.180	0	0	0.001	0	---	---	0.336	1979
1980	---	---	0	0.277	0.001	0	0	0	0	0	---	---	0.034	1980
1981	---	---	0.055	0.070	0.001	0.002	0	0	0	0	---	---	0.016	1981
1982	---	---	0	0.216	0.006	0.005	0	0	0	0	---	---	0.028	1982
1983	---	---	0	1.02	0.304	0.032	0.153	0	0	0	---	---	0.186	1983
1984	---	---	0	0.909	0.571	0.223	0	0	0	0	---	---	0.211	1984
1985	---	---	0	1.29	0.011	0	0	0	0	0	---	---	0.159	1985
1986	---	---	0.025	1.15	0.062	0	0	0	0	0	---	---	0.152	1986
1987	---	---	0	0.524	0	0	0	0	0	0.037	---	---	0.069	1987
1988	---	---	0	1.74	0.054	0	0	0	0	0	---	---	0.219	1988
1989	---	---	0	0.083	0	0	0	0.003	0.003	0.002	---	---	0.011	1989
1990	---	---	0.004	0.822	0.077	0	0.001	0	0	0	---	---	0.111	1990
MEAN	---	---	0.018	1.16	0.202	0.062	0.057	0.005	0.006	0.003	---	---	0.158	MEAN

LOCATION - LAT 52 47 51 N LONG 102 22 14 W

DRAINAGE AREA, 181 km^2

NATURAL FLOW

LOISELLE CREEK NEAR HUDSON BAY - STATION NO. 05LB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	0 ON MAR 01 *	---	1959
			0 ON MAR 01	---	
1960	---	---	0E ON APR 01	---	1960
1961	---	---	0 ON APR 01	---	1961
1962	---	---	0B ON APR 01	---	1962
1963	---	---	0 ON MAR 01	---	1963
1964	---	0.589 ON MAY 12	0 ON MAR 01	560	1964
1965	---	2.36 ON APR 14	0B ON MAR 01	2 420	1965
1966	---	10.7 ON APR 13	0B ON MAR 01	9 440	1966
1967	---	9.03 ON MAY 02	0B ON MAR 01	6 530	1967
1968	---	1.53 B ON MAR 29	0B ON MAR 01	1 020	1968
1969	---	6.94 B ON APR 12	0B ON MAR 01	2 840	1969
1970	---	3.28 ON MAY 04	0B ON MAR 01	3 110	1970
1971	---	7.99 B ON APR 13	0B ON MAR 01	5 810	1971
1972	18.2 AT 02:43 CST ON APR 24	16.3 ON APR 24 *	0B ON MAR 01	6 770	1972
1973	---	1.18 ON APR 04	0B ON MAR 01	1 130	1973
1974	---	15.6 ON APR 21	0B ON MAR 01	6 650	1974
1975	8.30 AT 09:35 CST ON APR 22	7.82 ON APR 22	0B ON MAR 01	2 890	1975
1976	---	2.55 ON APR 08	0B ON MAR 01	3 580	1976
1977	---	1.41 ON APR 13	0B ON MAR 01	384	1977
1978	---	8.75 ON APR 19	0B ON MAR 01	4 920	1978
1979	18.5 AT 23:50 CST ON APR 21 *	16.1 ON APR 22	0B ON MAR 01	7 110	1979
1980	0.962 AT 08:50 CST ON APR 05	0.774 ON APR 08	0B ON MAR 01	720	1980
1981	0.262 AT 18:46 CST ON MAR 18	0.245 ON APR 06	0B ON MAR 01	337	1981
1982	1.16 AT 20:35 CST ON APR 16	1.10 ON APR 16	0B ON MAR 01	586	1982
1983	8.44 AT 11:30 CST ON APR 22	7.82 ON APR 22	0B ON MAR 01	3 950	1983
1984	4.30 AT 17:15 CST ON APR 03	3.63 ON APR 04	0B ON MAR 01	4 460	1984
1985	8.09 AT 02:12 CST ON APR 11	6.72 ON APR 11	0B ON MAR 01	3 370	1985
1986	5.82 B AT 23:42 CST ON APR 06	4.96 ON APR 07	0B ON MAR 01	3 210	1986
1987	8.27 B AT 19:18 CST ON APR 06	5.38 B ON APR 07	0B ON MAR 01	1 460	1987
1988	10.3 AT 12:15 CST ON APR 13	9.07 ON APR 13	0B ON MAR 01	4 640	1988
1989	0.623B AT 05:37 CST ON APR 07	0.481B ON APR 07	0B ON MAR 01	237	1989
1990	4.44 AT 21:58 CST ON APR 03	3.95 ON APR 03	0B ON MAR 01	2 350	1990
				3 350	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONEPINE CREEK AT HEWITT'S RANCH - STATION NO. 11AC007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.025	0.022	0.028	---	---	---	1909
1910	---	---	---	0.046	0.034	0.021	0.012	0.017	0.025	0.025	---	---	0.022	1910
1911	---	---	---	---	0.097	0.048	0.028	0.030	0.047	0.057	---	---	0.051	1911
1912	---	---	---	---	0.078	0.046	0.045	0.044	0.024	0.030	---	---	0.045	1912
1913	---	---	---	---	0.056	0.028	0.030	0.018	0.018	0.027	---	---	0.030	1913
1914	---	---	---	---	0.034	0.015	0.012	0.012	0.020	0.025	---	---	0.020	1914
MEAN	---	---	---	0.046	0.060	0.032	0.025	0.024	0.026	0.032	---	---	0.034	MEAN

LOCATION - LAT 49 35 18 N LONG 109 27 38 W
DRAINAGE AREA, 9.58 km²
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1911, 1913-14

LONEPINE CREEK AT HEWITT'S RANCH - STATION NO. 11AC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0.079 ON MAY 15	0.007 ON MAY 25 *	356	1910
1911	---	0.227 ON JUN 25 *	0.006 ON JUN 17 *	813	1911
1912	---	0.130 ON JUL 09	0.015 ON JUL 04	709	1912
1913	---	0.093 ON MAY 16	0.007E ON SEP 05	474	1913
1914	---	0.051 ON SEP 13	0.009E ON AUG 01	312	1914
				533	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NB013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	1.22	0.099	0	0.628	0.561	0	0	0.346	0.013	0	0.242	1959
MEAN	0	0	1.22	0.099	0	0.628	0.561	0	0	0.346	0.013	0	0.242	MEAN

LOCATION - LAT 49 01 05 N LONG 103 03 37 W
DRAINAGE AREA, 4 510 km²
REGULATED
INTERNATIONAL GAUGING STATION

LONG CREEK AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NB013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	10.8 ON JUN 30 *	0 ON JAN 01 *	7 620	1959
				7 620	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	0.284	0.019	0	0.863	0.256	0	0	0	0	0	0.118	1959
1960	0	0	6.68	4.88	0.148	0.229	0.038	0	0	0	0	0	1.00	1960
1961	0	0	0.041	0	0	0	0	0	0	0	0	0	0.003	1961
1962	0	0	0.290	1.05	0.005	0.002	0	0	0	0	0	0	0.111	1962
1963	0	0	0.366	0.164	0.003	3.29	0.137	0.945	0.285	0.018	0.005	0.001	0.432	1963
1964	0	0	0	3.69	0.262	0.233	0.058	0	0	0	0	0	0.349	1964
1965	0	0	0	5.42	8.01	4.44	1.46	0.255	0.205	0.188	0.053	0.019	1.68	1965
1966	0	0	3.86	0.943	0.422	0.039	0.032	0	0	0	0	0	0.447	1966
1967	0	0	1.20	3.49	1.57	0.232	0	0	0	0	0	0	0.712	1967
1968	0	0	0.013	0.001	0	0	0	0.011	0.367	0.003	0.003	0	0.033	1968
1969	0	0	0	26.4	1.23	0.064	0.697	0.204	0.010	0	0	0	2.35	1969
1970	0	0	0.317	4.43	16.4	1.07	0.086	0	0	0	0	0	1.88	1970
1971	0	0.001	0.330	4.33	0.162	0.022	5.31	0.311	0	0.016	0.001	0	0.879	1971
1972	0	0	10.5	1.48	0.953	4.91	0.311	0.087	0	0	0.005	0.001	1.53	1972
1973	0	0	0.097	0.120	0.154	0.085	0	0	0	0	0	0	0.038	1973
1974	0	0	0.454	20.5	1.74	0.564	0.470	0.002	0	0	0	0	1.96	1974
1975	0	0	0.014	17.6	7.80	0.835	0.028	0	0.036	0.043	0.032	0.022	2.20	1975
1976	0.004	0	11.2	27.7	0.885	10.2	1.28	0.088	0.003	0	0	0	4.25	1976
1977	0	0.001	0.065	0.103	0.362	0.046	0	0	0	0	0	0	0.049	1977
1978	0	0	5.35	4.90	0.464	0.253	11.7	0.748	1.74	0.712	0.118	0.023	2.19	1978
1979	0	0	0.668	29.8	11.4	0.762	0.080	0.005	0	0	0	0	3.55	1979
1980	0	0	0.260	0.679	0.025	0	0	0	0	0	0	0	0.080	1980
1981	0	0.750	0.060	0	0	0	0	0	0	0	0	0	0.063	1981
1982	0	0	0	17.2	1.30	0.107	0.032	0.002	0	0	0	0	1.54	1982
1983	0	0	0.929	12.3	1.08	0.184	0.109	0.013	0	0	0	0	1.21	1983
1984	0	0	0.035	0.036	0.006	0	0	0	0	0	0	0	0.006	1984
1985	0	0	1.00	0.040	0	0	0	0	0	0	0	0	0.089	1985
1986	0	0.139	1.41	0.090	0.560	0.018	0.114	0.287	0.001	0.001	0.002	0.006	0.222	1986
1987	0.005	0.008	0.799	2.33	0.063	0.001	0	0.003	0	0	0	0	0.266	1987
1988	0	0	0	0	0	0	0	0	0	0	0	0	0	1988
1989	0	0	2.29	2.98	0.036	0	0	0	0	0	0	0	0.442	1989
1990	0	0	0	0.003	0	0	1.43	0.003	0	0	0	0	0.122	1990
MEAN	0	0.028	1.52	6.02	1.78	0.889	0.738	0.093	0.083	0.031	0.007	0.002	0.931	MEAN

LOCATION - LAT 49 00 01 N LONG 103 21 08 W DRAINAGE AREA, 3 210 km² REGULATED INTERNATIONAL GAUGING STATION

LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	11.3 E ON JUN 30	0B ON JAN 01 *	3 730	1959
1960	---	37.7 B ON MAR 27	0 ON JAN 01	31 600	1960
1961	---	0.278 ON MAR 17	0 ON JAN 01	109	1961
1962	---	3.96 A ON APR 05	0 ON JAN 01	3 510	1962
1963	19.9 AT 15:00 CST ON JUN 08	19.3 ON JUN 08	0 ON JAN 01	13 600	1963
1964	15.7 B AT 14:00 CST ON APR 04	13.5 B ON APR 04	0 ON JAN 01	11 000	1964
1965	23.1 AT 16:00 CST ON APR 18	22.6 ON APR 18	0 ON JAN 01	52 800	1965
1966	---	20.7 B ON MAR 16	0B ON JAN 01	14 100	1966
1967	13.6 AT 17:00 CST ON MAY 08	13.3 ON MAY 08	0 ON JAN 01	22 400	1967
1968	1.46 AT 12:00 CST ON SEP 04	1.44 ON SEP 04	0B ON JAN 01	1 030	1968
1969	112 B AT 04:36 CST ON APR 10	99.7 B ON APR 10	0B ON JAN 01	74 300	1969
1970	52.1 AT 18:58 CST ON MAY 07	49.6 ON MAY 07	0B ON JAN 01	59 100	1970
1971	24.2 B AT 09:06 CST ON APR 09	18.4 B ON APR 09	0B ON JAN 01	27 700	1971
1972	54.9 AT 15:42 CST ON JUN 10	46.7 ON JUN 10	0B ON JAN 01	48 300	1972
1973	0.266 AT 07:33 CST ON MAY 02	0.261 ON MAY 01	0B ON JAN 01	1 200	1973
1974	46.7 AT 14:14 CST ON APR 19	46.2 ON APR 19	0B ON JAN 01	61 800	1974
1975	68.0 AT 12:04 CST ON APR 26	66.3 ON APR 26	0B ON JAN 01	69 200	1975
1976	133 AT 02:23 CST ON APR 01 *	123 ON APR 01 *	0B ON JAN 17	134 000	1976
1977	2.10 AT 09:47 CST ON MAY 22	1.95 ON MAY 22	0B ON JAN 01	1 530	1977
1978	65.4 AT 08:49 CST ON JUL 14	63.7 ON JUL 14	0B ON JAN 01	69 200	1978
1979	125 AT 11:20 CST ON APR 22	118 ON APR 22	0B ON JAN 01	112 000	1979
1980	2.40 B AT 11:32 CST ON APR 03	1.64 ON APR 15	0B ON JAN 01	2 520	1980
1981	3.94 B AT 09:28 CST ON FEB 19	2.88 ON FEB 20	0 ON JAN 01	1 980	1981
1982	77.2 B AT 01:00 CST ON APR 15	67.8 B ON APR 14	0B ON JAN 01	48 400	1982
1983	25.6 AT 00:46 CST ON APR 17	24.3 ON APR 16	0B ON JAN 01	38 100	1983
1984	0.335 AT 11:30 CST ON MAR 29	0.325 ON MAR 29	0B ON JAN 01	202	1984
1985	3.89 B AT 13:04 CST ON MAR 14	3.41 B ON MAR 13	0B ON JAN 01	2 800	1985
1986	4.46 B AT 03:30 CST ON MAR 01	3.94 B ON MAR 01	0B ON JAN 01	6 990	1986
1987	8.51 B AT 08:56 CST ON APR 03	7.36 B ON APR 03	0B ON FEB 05	8 380	1987
1988	0 AT 00:00 CST ON JAN 01	0 B ON JAN 01	0B ON JAN 01	0	1988
1989	30.8 B ON MAR 29	29.3 B ON MAR 29	0B ON JAN 01	13 900	1989
1990	23.6 AT 21:30 CST ON JUL 03	12.9 ON JUL 04	0B ON JAN 01	3 850	1990
				29 400	MEAN

λ - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR CROSBY - STATION NO. 05NB026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	---	---	---	---	0.120	0	0	0	0	---	1944
1945	0	0	0.061	0.049	0.001	0	0	0.010	0	0	0	0	0.010	1945
1946	0	0	3.27	0.556	0.029	0.001	0.142	0	0	0	0	0	0.338	1946
1947	0	0	3.05	10.7	0.530	0.430	0.177	0.242	0.227	0.149	0.085	0.028	1.29	1947
1948	0.014	0	0	33.2	3.40	0.178	0.239	0.003	0	0	0.001	0.001	3.05	1948
1949	0	0	0.230	3.66	0.180	0.066	0	0	0	0	0	0	0.341	1949
1950	0	0	0.020	8.70	0.807	1.05	0.171	0.024	0	0	0	0	0.889	1950
1951	0	0	0	14.8	4.96	0.218	0.010	0	0.064	0	0	0	1.66	1951
1952	0	0	0.338	5.39	0.102	0	0	0	0	0	0	0	0.479	1952
1953	0	0	0.324	0.114	0.543	8.45	3.69	0.184	0.015	0	0	0	1.11	1953
1954	0	0.526	0.286	0.207	0.255	0.335	0.090	0.010	0.004	0.001	0.010	0.032	0.143	1954
1955	0.015	0	1.43	8.54	4.92	0.455	0.031	0.009	0	0	0	0	1.28	1955
1956	0	0	0.946	3.52	0.438	0.033	0.001	0	0	0	0	0	0.408	1956
1957	0	0.001	0.125	0.005	0	0	0	0	0	0	0	0	0.011	1957
1958	0	0	0.964	3.18	0.019	0	0	0	0	0	0	0	0.345	1958
1959	0	0	0.396	0.003	0	0.889	0.360	0	0	0	0	0	0.137	1959
1960	0	0	7.35	5.71	0.174	0.159	0.036	0	0	0	0	0	1.12	1960
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	1961
1962	0	0	0.234	1.14	0.002	0	0	0	0	0	0	0	0.113	1962
1963	0	0	0.307	0.158	0.003	3.92	0.227	1.03	0.302	0.005	0	0	0.493	1963
1964	0	0	0	4.13	0.430	0.226	0.091	0	0	0	0	0	0.401	1964
1965	0	0	0	5.24	8.64	5.09	1.64	0.192	0.160	---	---	---	---	1965
MEAN	0.001	0.025	0.921	5.19	1.21	1.02	0.329	0.083	0.035	0.007	0.005	0.003	0.681	MEAN

LOCATION - LAT 48 58 30 N LONG 103 16 04 W DRAINAGE AREA, 3 370 km² REGULATED

LONG CREEK NEAR CROSBY - STATION NO. 05NB026

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1944	---	---	---	---	1944
1945	---	0.218 ON APR 17	0 ON JAN 01 *	320	1945
1946	---	19.2 ON MAR 13	0 ON JAN 01	10 700	1946
1947	---	26.5 ON APR 11	0 ON JAN 01	40 800	1947
1948	---	170 ON APR 23 *	0E ON FEB 01	96 400	1948
1949	---	13.6 B ON APR 03	0E ON JAN 01	10 800	1949
1950	---	29.2 B ON APR 16	0 ON JAN 01	28 000	1950
1951	---	32.6 B ON APR 18	0 ON JAN 01	52 300	1951
1952	---	13.6 B ON APR 02	0 ON JAN 01	15 200	1952
1953	---	25.0 ON JUN 10	0 ON JAN 01	34 900	1953
1954	---	3.20 B ON FEB 25	0 ON JAN 01	4 520	1954
1955	24.1 AT 17:00 CST ON APR 06	23.1 ON APR 06	0E ON JAN 28	40 500	1955
1956	8.50E AT 07:00 CST ON APR 11	7.65 B ON APR 06	0 ON JAN 01	12 900	1956
1957	---	0.708 ON MAR 23	0 ON JAN 01	350	1957
1958	27.9 AT 11:00 CST ON MAR 31	24.5 ON MAR 31	0 ON JAN 01	10 900	1958
1959	15.7 AT 23:30 CST ON JUN 29	12.2 ON JUN 30	0E ON JAN 01	4 330	1959
1960	46.7 B AT 18:00 CST ON MAR 27 *	39.6 B ON MAR 27	0 ON JAN 01	35 500	1960
1961	---	0 ON JAN 01	0 ON JAN 01	0	1961
1962	---	4.53 ON APR 05	0 ON JAN 01	3 580	1962
1963	---	20.3 ON JUN 08	0 ON JAN 01	15 600	1963
1964	---	14.4 B ON APR 04	0 ON JAN 01	12 700	1964
1965	23.0 AT 17:00 CST ON MAY 27	22.0 ON MAY 27	0 ON JAN 01	---	1965
				21 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR ESTEVAN - STATION NO. 05NB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.047	0.021	0.017	0.697	---	---	---	1911
1912	---	---	---	---	5.62	---	---	0.113	0.081	0.122	---	---	---	1912
1913	---	---	---	2.20	0.298	0.189	0.298	0.042	0.076	0.086	---	---	---	1913
1914	---	---	---	---	0.897	2.38	0.315	0.043	0.133	0.062	0.030	0.026	---	1914
1915	0.031	0.029	0.046	0.089	0.036	0.020	0.028	0.011	0.008	0.014	0.027	0.021	0.030	1915
1916	0.011	0.011	0.011	18.9	2.33	0.454	0.281	0.124	0.037	0.060	0.061	0.048	1.84	1916
1917	0.015	0.009	0.113	1.50	2.67	0.205	0.054	0.011	0.013	0.038	0.041	0.018	0.558	1917
1918	0.041	0.030	0.388	1.67	0.788	0.121	0.016	0.151	0.033	0.014	0.013	0.015	0.273	1918
1919	0.024	0.041	0.631	6.60	0.507	0.044	0.089	0.008	0.005	0.021	0.022	0	0.609	1919
1920	0	0	0.006	14.0	2.41	0.307	0.049	0.005	0.002	0.004	0.005	0.004	1.38	1920
1921	0	0	0.333	0.394	0.107	1.46	1.82	0.149	0.051	0.031	0.022	0.016	0.368	1921
1922	0.001	0	0.565	5.34	2.21	0.386	0.318	0.037	0.027	0.036	0.037	0.027	0.747	1922
1923	0.024	0.007	0.261	10.9	1.02	---	---	---	---	---	---	---	---	1923
1933	---	---	---	0.452	2.13	2.51	0.158	0.028	0.056	---	---	---	---	1933
1934	---	---	---	0.252	0.055	0.035	0	---	---	---	---	---	---	1934
1935	---	---	---	0.362	0.048	0.032	0.020	0.010	0.033	0.023	---	---	---	1935
1936	---	---	---	6.49	0.430	0.041	0.014	0.006	0.004	0.007	---	---	---	1936
1937	---	---	---	---	0.055	0.009	0.082	0.012	0.013	---	---	---	---	1937
1938	---	---	---	0.379	0.394	0.051	0.076	0.018	0.015	---	---	---	---	1938
1939	---	---	---	2.80	0.089	0.076	0.025	0.001	0	---	---	---	---	1939
1940	---	---	---	0.057	0.138	0.045	0.039	0.045	0.046	---	---	---	---	1940
1941	---	---	---	4.76	0.642	0.258	0.057	0.046	0.050	---	---	---	---	1941
1942	---	---	---	4.93	0.382	0.297	0.040	0.049	0.031	0.025	---	---	---	1942
1943	---	---	---	22.2	0.692	0.966	0.235	0.030	0.031	---	---	---	---	1943
1944	---	---	---	0.187	0.066	1.65	1.43	0.251	0.060	0.050	---	---	---	1944
1945	---	---	---	0.142	0.064	0.041	0.032	0.022	0.022	0.038	---	---	---	1945
1946	---	---	---	0.873	0.108	0.050	0.168	0.025	0.020	0.030	---	---	---	1946
1947	---	---	---	10.9	0.743	0.562	0.395	0.182	0.275	0.133	---	---	---	1947
1948	---	---	---	---	5.07	0.320	0.232	0.048	0.022	0.050	---	---	---	1948
1949	---	---	---	4.97	0.210	0.167	0.044	0.023	0.011	0.016	---	---	---	1949
1950	---	---	---	11.7	1.29	1.16	0.193	0.034	0.016	0.026	---	---	---	1950
1951	---	---	---	18.9	6.94	0.338	0.066	0.041	0.074	0.061	---	---	---	1951
1952	---	---	---	7.58	0.269	0.066	0.070	0.030	0.031	0.038	0.018	---	---	1952
1953	---	---	---	0.346	0.690	9.81	6.73	0.320	0.053	0.038	0.042	---	---	1953
1954	---	---	---	0.460	0.584	0.618	0.165	0.040	0.043	0.258	0.389	---	---	1954
1955	---	---	---	11.0	5.50	0.675	0.174	0.014	0.017	0.060	---	---	---	1955
1956	---	---	0.780	3.68	0.608	0.059	0.019	0.017	0.004	0.005	0.004	---	---	1956
1957	---	---	0.355	0.329	0.037	0.014	0.030	0.041	0.014	0.011	---	---	---	1957
1959	---	---	0.019	0.011	0.023	0.022	0.024	0.063	0.023	0.026	0.011	0.004	---	1959
1960	0.011	0.014	0.014	0.015	0.009	0.012	0.057	0.047	0.068	0.025	0.021	0.016	0.026	1960
1961	0.005	0.009	0.008	0.006	0.012	0.032	0.069	0.122	0.046	0.013	0.008	0.006	0.028	1961
1962	0.005	0.007	0.008	0.011	0.641	0.009	0.010	0.095	0.022	0.023	0.028	0.026	0.077	1962
1963	0.008	0.029	0.016	0.017	0.009	0.011	0.016	0.068	0.021	0.014	0.012	0.011	0.019	1963
1964	0.020	0.043	0.019	3.04	0.914	0.028	0.201	0.005	0.175	0.030	0.100	0.117	0.388	1964
1965	0.115	0.108	0.101	3.17	9.69	5.47	1.50	0.414	0.002	0.018	0.006	0.045	1.73	1965
1966	0.013	0.076	4.67	1.24	0.249	0.017	0.089	0.108	0.037	0.109	0.014	0.027	0.560	1966
1967	0.042	0.068	0.276	3.34	3.52	0.099	0.095	0.199	0.199	0.046	0.696	0.042	0.720	1967
1968	0.042	0.042	0.042	0.042	0.083	0.105	0.141	0.086	0.042	0.042	0.042	0.053	0.064	1968
1969	0.054	0.054	4.44	24.9	1.13	0.022	1.88	0.026	0.367	0.147	0.078	0.070	2.74	1969
1970	0.081	0.071	0.070	2.71	21.0	1.55	0.099	0.192	0.060	0.050	0.042	0.042	2.20	1970
1971	0.024	0.025	0.323	3.28	0.079	0.052	5.81	1.06	3.40	0.083	0.573	0.051	1.23	1971
1972	0.051	0.061	7.55	1.81	1.37	5.66	0.912	0.795	0.618	0.070	0.158	0.305	1.62	1972
1973	0.018	0.034	0.107	0.088	0.060	0.104	0.071	0.118	0.040	0.135	0.064	0.050	0.074	1973
1974	0.026	0.023	0.811	20.5	2.64	0.818	2.69	0.112	0.137	0.147	0.078	0.101	2.33	1974
1975	0.096	0.082	0.069	17.4	9.95	1.27	0.053	0.071	0.091	0.099	0.384	0.734	2.52	1975
1976	0.737	1.49	16.2	39.4	1.11	10.5	0.932	0.772	0.559	0.046	0.054	0.073	5.94	1976
1977	0.099	0.085	0.078	0.035	0.210	0.076	0.071	0.145	0.093	0.075	0.091	0.054	0.093	1977
1978	0.054	0.064	1.26	4.25	0.831	0.802	12.2	0.601	2.06	0.931	0.040	0.011	1.95	1978
1979	0.014	0.599	4.28	34.0	15.1	1.11	0.294	0.053	0.035	0.046	0.028	0.040	4.62	1979
1980	0.041	0.050	0.075	0.056	0.087	0.099	0.199	0.107	0.066	0.079	0.087	0.061	0.084	1980
1981	0.104	0.054	0.070	0.054	0.051	0.063	0.087	0.074	0.041	0.065	0.077	0.088	0.069	1981
1982	0.064	0.051	0.063	13.6	1.37	0.315	0.422	0.063	0.062	0.094	0.058	0.068	1.34	1982
1983	0.058	0.076	0.226	12.8	0.842	0.262	0.116	0.142	0.083	0.130	0.095	0.038	1.23	1983
1984	0.062	0.076	0.056	0.066	0.069	0.090	0.116	0.123	0.095	0.070	0.059	0.054	0.078	1984
1985	0.049	0.066	0.071	0.033	0.003	0.041	0.025	0.013	0.011	0.019	0.019	0.020	0.030	1985
1986	0.016	0.028	0.023	0.021	0.021	0.018	0.022	0.012	0.014	0.014	0.014	0.017	0.018	1986
1987	0.019	0.026	0.024	0.019	0.020	0.017	0.036	0.135	0.007	0.020	0.014	0.017	0.030	1987
1988	0.008	0.009	0.016	0.007	0.012	0.025	0.018	0.004	0.006	0.003	0.007	0.005	0.010	1988
1989	0.006	0.033	0.026	0.014	0.008	0.007	0.016	0.013	0.004	1.84	0.005	0.010	0.168	1989
1990	0.018	0.010	0.019	0.017	0.006	0.011	0.024	0.006	0.003	0.003	0.002	0.003	0.010	1990
MEAN	0.053	0.090	1.02	5.59	1.70	0.808	0.619	0.116	0.146	0.108	0.082	0.059	0.969	MEAN

LOCATION - LAT 49 06 15 N DRAINAGE AREA, 4 840 km²
LONG 103 00 48 W REGULATED SINCE 1958

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	0.150E ON APR 25	0.001 ON SEP 02	941	1915
1916	---	38.5 E ON APR 14	0.011 ON JAN 01	58 200	1916
1917	---	11.8 ON MAY 02	0.002B ON FEB 09	17 600	1917
1918	---	5.24 ON APR 26	0 ON AUG 01 *	8 620	1918
1919	---	18.7 B ON APR 05	0 ON AUG 24	19 200	1919
1920	---	25.1 B ON APR 21	0 ON JAN 01	43 800	1920
1921	---	11.0 ON JUN 29	0 ON JAN 01	11 600	1921
1922	---	15.3 B ON APR 05	0 B ON JAN 06	23 600	1922
1923	---	---	---	---	1923
1933	---	---	---	---	1933
1934	---	---	0 E ON MAR 06	---	1934
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1937	---	---	0 ON JUN 09	---	1937
1938	---	---	---	---	1938
1939	---	43.3 B ON MAR 24	0 ON JUL 22	---	1939
1940	---	---	---	---	1940
1941	---	14.7 ON APR 11	---	---	1941
1942	---	---	---	---	1942
1943	---	---	---	---	1943
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	---	---	---	1946
1947	---	---	---	---	1947
1948	---	170 E ON APR 26 *	---	---	1948
1949	---	---	---	---	1949
1950	---	---	---	---	1950
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1959	---	---	---	---	1959
1960	0.504 AT 10:00 CST ON SEP 28	0.442 ON JUL 25	0 ON JUL 11	811	1960
1961	0.442 AT 02:00 CST ON AUG 05	0.433 ON AUG 04	0 ON JUL 11	889	1961
1962	----	3.34 ON MAY 16	0 ON JUL 01	2 440	1962
1963	0.402 AT 18:00 CST ON DEC 07	0.374 ON AUG 13	0 ON JUN 13	607	1963
1964	---	15.6 A ON APR 12	0 A ON MAY 28	12 300	1964
1965	---	21.3 ON MAY 29	0 ON APR 08	54 500	1965
1966	---	23.1 ON MAR 19	0.006 ON JAN 01	17 700	1966
1967	---	15.1 ON MAY 10	0.006 ON MAR 01	22 700	1967
1968	---	0.210 ON JUL 14	0.042 ON JAN 01	2 020	1968
1969	---	113 ON APR 11	0 ON APR 29	86 500	1969
1970	---	55.2 ON MAY 06	0 ON OCT 07	69 200	1970
1971	22.4 AT 21:58 CST ON JUL 13	21.7 ON JUL 14	0.007E ON MAR 04	38 900	1971
1972	41.9 AT 01:54 CST ON MAR 21	41.6 ON MAR 21	0.006 ON NOV 21	51 100	1972
1973	0.864 AT 04:34 CST ON AUG 16	0.680E ON MAR 09	0.005 ON MAY 09	2 350	1973
1974	---	54.4 ON APR 13	0.014B ON FEB 06	73 500	1974
1975	---	84.1 E ON APR 30	0.042E ON MAY 16	79 400	1975
1976	---	154 E ON APR 02	0.020 ON SEP 23	188 000	1976
1977	1.68 AT 19:45 CST ON MAY 16	1.28 ON MAY 16	0.025 ON JUN 29	2 930	1977
1978	38.2 AT 23:00 CST ON JUL 09	36.2 ON JUL 10	0.005B ON DEC 09	61 300	1978
1979	111 AT 19:08 CST ON APR 22 *	110 ON APR 21	0.004B ON NOV 22	146 000	1979
1980	1.08 AT 12:30 CST ON DEC 31	0.290 ON JUL 31	0.021 ON JUN 20	2 660	1980
1981	0.303 AT 08:40 CST ON JUL 24	0.224 ON JUL 23	0.005 ON SEP 05	2 180	1981
1982	72.7 AT 00:44 CST ON APR 17	70.4 ON APR 17	0.021B ON NOV 21	42 200	1982
1983	23.6 AT 19:58 CST ON APR 06	23.5 E ON APR 07	0.025 ON SEP 25	38 700	1983
1984	0.349 AT 15:07 CST ON JUN 30	0.339 ON JUN 30	0.018 ON APR 01	2 460	1984
1985	0.204 AT 17:53 CST ON MAR 14	0.118 ON MAR 23	0 ON MAY 04	958	1985
1986	0.201 AT 12:10 CST ON SEP 04	0.120 ON MAY 31	0.001 ON OCT 06	577	1986
1987	0.507 AT 07:25 CST ON AUG 14	0.495 ON AUG 19	0.001 ON AUG 31	931	1987
1988	0.168 AT 03:42 CST ON JUL 05	0.073 ON JUL 05	0.001E ON AUG 05	315	1988
1989	9.81 AT 14:25 CST ON OCT 06	9.75 ON OCT 07	0.001 ON SEP 19	5 310	1989
1990	0.541 AT 02:27 CST ON JUL 02	0.129 ON JUL 02	0.001 ON AUG 24	323	1990
				30 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR MAXIM - STATION NO. 05NA004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0.045	0	0	0.182	0.003	0	0	0.002	---	---	0.029	1959
1960	---	---	3.95	1.72	0.027	0.002	0.001	0	0	0	---	---	0.715	1960
1961	---	---	0.053	0	0	0	0	0	0	0	---	---	0.007	1961
1962	---	---	0.305	0.833	0.001	0.002	0	0	0	0	---	---	0.141	1962
1963	---	---	0.165	0.129	0.013	1.49	0.054	0	0.010	0	---	---	0.229	1963
1964	---	---	0.005	1.70	0.214	0.087	0.004	0	0	0	---	---	0.246	1964
1965	---	---	0	3.06	5.36	3.19	0.487	0.147	0.200	0.142	---	---	1.57	1965
1966	---	---	1.53	0.312	0.101	0.009	0	0	0	0	---	---	0.246	1966
1967	---	---	0.105	3.12	2.39	0.175	0	0	0	0	---	---	0.719	1967
1968	---	---	0.039	0	0	0	0	0.321	0.404	0.087	---	---	0.106	1968
1969	---	---	0	17.0	0.806	0.081	0.218	0.334	0.011	0	---	---	2.27	1959
1970	---	---	0.064	4.25	10.6	0.343	0.004	0	0	0	---	---	1.92	1970
1971	---	---	0.043	3.56	0.049	0.050	4.02	0.386	0	0.044	---	---	1.02	1971
1972	---	---	5.69	0.706	0.158	1.72	0.218	0.123	0	0	---	---	1.08	1972
1973	---	---	0	0.006	0.004	0.002	0	0	0	0	---	---	0.001	1973
1974	---	---	0.073	12.5	0.942	0.242	0.115	0	0	0	---	---	1.71	1974
1975	---	---	0	12.1	3.54	0.064	0.014	0.005	0.004	0.002	---	---	1.94	1975
1976	---	---	0.01	14.4	0.253	6.68	0.655	0.056	0	0	---	---	3.72	1976
1977	---	---	0.001	0.003	0.006	0.003	0	0	0	0	---	---	0.002	1977
1978	---	---	5.02	2.63	0.170	0.428	13.2	0.271	0.725	0.392	---	---	2.88	1978
1979	---	---	0.293	20.4	7.28	0.309	0.074	0.003	0	0	---	---	3.50	1979
1980	---	---	0.010	0.017	0	0	0	0	0	0	---	---	0.003	1980
1981	---	0.049	0.006	0	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0.106	9.19	0.519	0.029	0.073	0.030	0	0	---	---	1.22	1982
1983	---	---	0.056	7.12	0.481	0.077	0.180	0.001	0	0	---	---	0.972	1983
1984	---	---	0.046	0	0.002	0	0	0	0	0	---	---	0.006	1984
1985	---	---	0.023	0	0	0	0	0	0	0	---	---	0.003	1985
1986	---	0.036	0.818	0.002	0.346	0.003	0.084	0.013	0	0.003	---	---	0.161	1986
1987	---	---	0.059	1.35	0.015	0	0	0	0	0	---	---	0.175	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.082	0.143	0.001	0	0	0	0	0	---	---	0.028	1989
1990	---	---	0.010	0.007	0	0	0.013	0.404	0.013	0	---	---	0.057	1990
MEAN	---	0.043	0.831	3.63	1.04	0.474	0.607	0.065	0.043	0.021	---	---	0.834	MEAN

LOCATION - LAT 49 15 32 N
LONG 103 57 22 W

DRAINAGE AREA, 1 790 km²
REGULATED

LONG CREEK NEAR MAXIM - STATION NO. 05NA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	---	3.94 ON JUN 27	0 ON MAR 01 *	609	1959
1960	---	26.6 ON MAR 29	0B ON MAR 01	15 100	1960
1961	---	0.365B ON MAR 13	0B ON MAR 01	141	1961
1962	---	4.90 B ON MAR 31	0B ON MAR 01	2 990	1962
1963	---	6.90 ON JUN 11	0 ON MAR 01	4 840	1963
1964	---	4.76 B ON APR 08	0B ON MAR 01	5 210	1964
1965	---	19.1 ON MAY 08	0B ON MAR 01	33 200	1965
1966	---	4.64 ON MAR 20	0 ON MAR 01	5 200	1966
1967	---	8.81 ON APR 12	0B ON MAR 01	15 200	1967
1968	---	2.17 ON AUG 29	0B ON MAR 01	2 250	1968
1969	---	82.4 ON APR 08	0B ON MAR 01	48 000	1969
1970	---	52.1 ON MAY 05	0B ON MAR 01	40 600	1970
1971	---	15.9 ON JUL 13	0B ON MAR 01	21 500	1971
1972	41.1 AT 12:12 CST ON JUN 08	30.3 ON MAR 19	0B ON MAR 01	22 900	1972
1973	0.127 AT 18:47 CST ON APR 26	0.079 ON APR 26	0B ON MAR 01	29.9	1973
1974	52.4 AT 11:04 CST ON APR 17	51.3 ON APR 17	0B ON MAR 01	36 200	1974
1975	64.0 AT 13:24 CST ON APR 24	62.6 ON APR 24	0B ON MAR 01	41 100	1975
1976	65.7 AT 02:09 CST ON APR 03	64.0 ON APR 03	0B ON MAR 01	78 600	1976
1977	0.481 AT 10:43 CST ON MAY 19	0.173 ON MAY 19	0B ON MAR 01	36.3	1977
1978	84.4 AT 07:46 CST ON JUL 11	81.6 ON JUL 11	0B ON MAR 01	60 900	1978
1979	121 AT 01:19 CST ON APR 21 *	112 ON APR 21 *	0B ON MAR 01	74 200	1979
1980	0.217B AT 15:25 CST ON MAR 19	0.079 ON APR 12	0B ON MAR 01	69.4	1980
1981	---	0.027 ON MAR 01	0 ON MAR 15	15.3	1981
1982	39.4 AT 17:15 CST ON APR 17	38.6 ON APR 19	0B ON MAR 01	25 800	1982
1983	26.9 AT 04:22 CST ON APR 14	24.2 ON APR 14	0B ON MAR 01	20 600	1983
1984	0.298B AT 23:37 CST ON MAR 21	0.278B ON MAR 22	0B ON MAR 01	127	1984
1985	0.191B AT 23:19 CST ON MAR 14	0.146B ON MAR 13	0B ON MAR 01	61.9	1985
1986	4.15 B AT 16:01 CST ON MAR 09	3.59 B ON MAR 09	0 ON APR 03	3 400	1986
1987	4.59 AT 07:28 CST ON APR 06	4.48 ON APR 06	0B ON MAR 01	3 700	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	1.18 B AT 18:48 CST ON MAR 26	0.681B ON MAR 26	0B ON MAR 01	592	1989
1990	0.920 AT 18:55 CST ON AUG 05	0.906 ON AUG 05	0B ON MAR 01	1 200	1990
				17 600	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR NOONAN - STATION NO. 05NB027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	---	---	---	---	0	0.013	0.018	---	1959
1960	0.005	0.004	8.31	7.43	0.227	0.142	0.102	0	0	0	0	0	1.35	1960
1961	0	0	0.106	0.033	0.004	0	0	0	0	0	0	0	0.012	1961
1962	0	0	0.493	1.21	0.010	0.015	0	0	0	0	0	0	0.136	1962
1963	0	0	0.270	0.215	0.029	3.98	0.498	1.09	0.453	0.022	0.004	0.003	0.545	1963
1964	0.001	0.003	0.003	5.84	0.527	0.223	0.114	0	0	0	0	0	0.552	1964
1965	0	0	0	5.43	8.77	5.32	1.60	0.199	0.137	0.124	0.055	0.062	1.81	1965
1966	0.041	0.040	5.12	1.23	0.475	0.049	0.007	0.001	0	0.002	0.002	0.001	0.588	1966
1967	0	0	1.84	3.59	3.80	0.111	0.001	0	0	0	0	0	0.783	1967
1968	0.002	0.002	0.072	0.016	0.003	0.004	0	0	0.306	0.004	0.005	0.004	0.035	1968
1969	0	0	0.005	34.0	1.36	0.107	1.42	0.205	0.005	0.009	0.011	0.012	3.06	1969
1970	0.002	0	0.409	5.02	20.6	1.54	0.295	0.038	0.004	0.018	0.023	0.008	2.36	1970
1971	0.003	0.008	0.546	5.13	0.267	0.099	7.08	0.432	0.019	0.070	0.044	0.024	1.15	1971
1972	0.004	0	12.8	1.97	1.51	5.69	0.516	0.181	0.035	0.039	0.039	0.022	1.91	1972
1973	0.016	0.018	0.131	0.199	0.178	0.104	0.001	0	0.003	0.009	0.015	0.003	0.056	1973
1974	0	0.026	2.94	26.5	2.66	0.876	2.80	0.122	0.020	0.025	0.024	0.018	2.98	1974
1975	0.023	0.014	0.027	19.9	9.41	1.18	0.176	0.032	0.356	0.295	0.182	0.123	2.63	1975
1976	0.145	0.129	16.9	36.6	1.63	10.6	1.60	0.146	0.020	0.027	0.022	0.012	5.62	1976
1977	0.008	0.011	0.125	0.117	0.382	0.086	0.001	0	0	0.001	0.006	0.003	0.062	1977
1978	0	0	6.78	6.50	0.698	0.799	12.8	1.11	2.19	0.877	0.203	0.121	2.70	1978
1979	0.022	0.011	0.377	39.5	14.6	1.16	0.220	0.030	0.014	0.019	0.019	0.020	4.65	1979
1980	0.009	0.005	0.280	0.923	0.066	0.002	0.001	0	0	0.001	0.008	0.003	0.107	1980
1981	0	2.02	0.370	0.021	0.007	0.006	0	0	0	0	0	0.001	0.189	1981
1982	0	0	0	23.6	1.58	0.210	0.797	0.062	0.005	0.019	0.022	0.012	2.17	1982
1983	0.011	0.180	1.53	13.9	1.24	0.230	0.064	0.034	0	0.001	0.004	0.003	1.42	1983
1984	0.004	0.013	0.033	0.080	0.101	0.012	0.002	0	0	0	0	0	0.020	1984
1985	0	0.003	1.82	0.171	0.006	0	0	0.144	0.027	0.012	0.011	0.003	0.186	1985
1986	0.001	0.041	1.88	0.143	0.657	0.041	0.271	0.599	0.007	0.017	0.020	0.018	0.313	1986
1987	0.006	0.017	1.87	2.95	0.100	0.002	0	0	0	0	0	0	0.412	1987
1988	0	0	0.003	0	0.002	0	0	0	0	0	0	0	0	1988
1989	0	0	2.53	4.45	0.082	0	0	0	0	0	0	0	0.587	1989
1990	0	0	0	0	0	0.001	1.68	0	0	0	0	0	0.143	1990
MEAN	0.010	0.082	2.18	7.95	2.29	1.05	1.03	0.143	0.116	0.050	0.023	0.015	1.24	MEAN

LOCATION - LAT 48 58 52 N DRAINAGE AREA, 4 460 km² INTERNATIONAL GAUGING STATION
LONG 103 04 34 W REGULATED

LONG CREEK NEAR NOONAN - STATION NO. 05NB027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	---	0 E ON OCT 01 *	---	1959
1960	90.6 B AT 20:00 CST ON MAR 27	56.6 B ON MAR 28	0 B ON FEB 26	42 800	1960
1961	0.651 ON MAR 20	0.510 ON MAR 19	0 B ON JAN 01	379	1961
1962	4.36 AT 07:00 CST ON MAR 30	3.91 ON APR 05	0 ON JAN 01	4 280	1962
1963	22.9 AT 07:00 CST ON JUN 09	20.9 ON JUN 09	0 ON JAN 01	17 200	1963
1964	22.2 B AT 09:00 CST ON APR 05	18.4 B ON APR 05	0 B ON JAN 09	17 400	1964
1965	22.1 AT 10:30 CST ON MAY 09	21.5 ON MAY 09	0 ON JAN 01	57 100	1965
1966	23.2 B AT 23:00 CST ON MAR 16	22.1 B ON MAR 17	0 ON JUL 12	18 600	1966
1967	---	13.5 ON MAY 09	0 B ON JAN 01	24 700	1967
1968	1.27 AT 00:00 CST ON SEP 08	1.19 ON SEP 07	0 ON JAN 01	1 090	1968
1969	141 AT 16:00 CST ON APR 10 *	121 ON APR 10	0 ON JAN 01	96 600	1969
1970	53.8 AT 07:30 CST ON MAY 08	53.0 ON MAY 08	0 ON JAN 09	74 300	1970
1971	---	22.0 ON JUL 13	0 ON JAN 15	36 300	1971
1972	---	49.6 B ON MAR 18	0 B ON JAN 22	60 500	1972
1973	0.481 ON JUN 04	0.368 ON APR 03	0 ON JUL 05	1 780	1973
1974	60.6 B ON APR 12	54.4 B ON APR 11	0 B ON JAN 01	94 000	1974
1975	75.3 ON APR 29	71.6 ON APR 29	0.001 ON JUL 30	83 100	1975
1976	---	162 ON APR 01 *	0 ON SEP 16	178 000	1976
1977	---	1.70 ON MAY 23	0 ON JUL 07	1 960	1977
1978	61.7 AT 00:15 CST ON JUL 15	59.2 ON JUL 15	0 B ON JAN 01	85 100	1978
1979	140 AT 02:30 CST ON APR 19	132 ON APR 19	0.007 ON AUG 27	147 000	1979
1980	2.27 B AT 19:45 CST ON MAR 28	2.07 ON APR 16	0 ON JUL 19	1 390	1980
1981	11.5 B AT 06:00 CST ON FEB 21	10.6 B ON FEB 21	0 B ON JAN 12	5 970	1981
1982	110 B AT 17:00 CST ON APR 15	102 B ON APR 15	0 B ON JAN 01	68 500	1982
1983	23.8 AT 12:00 CST ON APR 17	23.4 ON APR 17	0 ON AUG 19	44 900	1983
1984	0.340 AT 16:30 CST ON MAY 03	0.311 ON MAY 03	0 ON JUL 17	648	1984
1985	6.65 B AT 19:30 CST ON MAR 14	5.80 B ON MAR 15	0 B ON JAN 01	5 860	1985
1986	6.37 B AT 19:00 CST ON MAR 02	4.96 B ON MAR 02	0 B ON JAN 24	9 870	1986
1987	10.1 AT 00:30 CST ON APR 04	8.95 ON APR 04	0 B ON JAN 21	13 000	1987
1988	0.008 AT 13:45 CST ON MAY 02	0.006B ON MAR 23	0 B ON JAN 01	15.2	1988
1989	32.0 B AT 02:45 CST ON APR 02	30.3 B ON APR 02	0 B ON JAN 01	18 500	1989
1990	22.2 AT 14:45 CST ON JUL 04	14.3 ON JUL 04	0 ON JAN 01	4 520	1990
				39 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR TRIBUNE - STATION NO. 05NA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	0.624	2.34	0.299	0.004	0	0	0	0	---	---	---	1956
MEAN	---	---	0.624	2.34	0.299	0.004	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 13 05 N DRAINAGE AREA, 1 970 km²
LONG 103 53 20 W NATURAL FLOW

LONG CREEK NEAR TRIBUNE - STATION NO. 05NA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	5.64 ON APR 08 *	0B ON MAR 01 *	---	1956
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LONG CREEK NEAR TRIBUNE - STATION NO. 05NA002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0.181	0.049	0	0	0	0	0.001	0	---	---	0.029	1957
1958	---	---	0.604	2.03	0	0.066	0	0	0	0	---	---	0.333	1958
MEAN	---	---	0.393	1.04	0	0.033	0	0	0.001	0	---	---	0.181	MEAN

LOCATION - LAT 49 10 32 N
LONG 103 50 38 W
DRAINAGE AREA, 1 980 km^2
NATURAL FLOW

LONG CREEK NEAR TRIBUNE - STATION NO. 05NA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	1.84 ON MAR 21	0 ON MAR 01 *	614	1957
1958	---	9.34 ON APR 04 *	0B ON MAR 01	7 040	1958
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 830	MEAN

LOON CREEK NEAR MARKINCH - STATION NO. 05JK006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO JUN IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	---	---	0	---	---	---	---	---	---	---	1944
1945	---	---	---	0	0	0	---	---	---	---	---	---	---	1945
1946	---	---	0.017	0	0	0	---	---	---	---	---	---	0.004	1946
1947	---	---	0	1.13	0.008	0	---	---	---	---	---	---	0.281	1947
1948	---	---	0	0.374	0.004	0	---	---	---	---	---	---	0.093	1948
1949	---	---	0	0.026	0	0	---	---	---	---	---	---	0.006	1949
1950	---	---	0.001	0.530	0	0	---	---	---	---	---	---	0.131	1950
1951	---	---	0	0.666	0.128	0	---	---	---	---	---	---	0.196	1951
1952	---	---	0.164	0.183	0	0	---	---	---	---	---	---	0.087	1952
1953	---	---	0.005	1.37	0.043	0.007	---	---	---	---	---	---	0.352	1953
1954	---	---	0	0.838	0.145	0.130	---	---	---	---	---	---	0.275	1954
MEAN	---	---	0.021	0.512	0.033	0.012	---	---	---	---	---	---	0.158	MEAN

LOCATION - LAT 50 53 00 N
LONG 104 18 30 W
DRAINAGE AREA, 2 040 km^2
REGULATED

LOON CREEK NEAR MARKINCH - STATION NO. 05JK006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO JUN FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	0 ON MAY 20 *	---	1944
1945	---	---	0 ON APR 01	---	1945
1946	---	0.082 ON MAR 27	0 ON MAR 01	45.4	1946
1947	---	8.55 ON APR 14	0B ON MAR 01	2 960	1947
1948	---	3.40 ON APR 19	0 ON MAR 01	979	1948
1949	---	0.150 ON APR 04	0B ON MAR 01	67.6	1949
1950	---	3.11 ON APR 07	0B ON MAR 01	1 380	1950
1951	---	2.21 ON APR 30	0B ON MAR 01	2 070	1951
1952	---	2.44 ON MAR 29	0 ON MAR 01	917	1952
1953	---	10.4 ON APR 04 *	0B ON MAR 01	3 710	1953
1954	---	3.45 B ON APR 12	0B ON MAR 01	2 900	1954
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 670	MEAN

LYNCH DITCH NEAR GOVENLOCK - STATION NO. 11AB042

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 08 15 N
LONG 109 52 00 W
REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-23

LYNCH DITCH NEAR GOVENLOCK - STATION NO. 11AB042

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 01 *	0 ON MAR 01 *	0	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

LYONS CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB075

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0.466	2.49	1.46	0.042	0.318	0.020	0	0	---	---	0.596	1927
1928	---	---	0.184	1.20	0.008	0	0	0	0	0	---	---	0.172	1928
1929	---	---	0	0	0.028	0.085	0	0	0	0	0	0	0.014	1929
1930	0	0.042	0.876	1.09	0.001	0	0	0	0	0	0	0	0.244	1930
1931	0	0	0	0	0	0	0	0	0	0	0	0	0	1931
1932	0	0	0.010	0.002	0	0.042	0	0	0	0	0	0	0.007	1932
1933	0	0	0	0	0	0	0	0	0	0	0	0	0	1933
1934	0	0.196	0.287	0.010	0	0	0	0	0	0	0	0	0.038	1934
1935	0	0	0.180	0.610	0	0	0.082	0.002	0	0	0	0	0.108	1935
1936	0	0	0	0.748	0.001	0	0	0	0	0	0	0	0.092	1936
1937	0	0	0.004	0.346	0	0	0	0	0.014	0	---	---	0.045	1937
1938	---	---	0.259	0.264	0.026	0.129	0.081	0	0	0	---	---	0.094	1938
1939	---	---	1.01	0.011	0	0.155	0.001	0	0	0	---	---	0.148	1939
1940	---	---	0	1.50	0.057	0.023	0	0	0	0	---	---	0.194	1940
1941	---	---	1.03	0.008	0	0	0	0	0	0	---	---	0.132	1941
1942	---	---	0.083	0.073	0	0.355	0.061	0	0	0	---	---	0.071	1942
1943	---	---	0.644	0.053	0	0	0	0	0	0	---	---	0.088	1943
1944	---	---	0.115	0	0	0	0	0	0	0	---	---	0.015	1944
1945	---	---	0.041	0	0	0	0	0	0	0	---	---	0.005	1945
1946	---	---	0.420	0	0	0.109	0	0	0	0	---	---	0.066	1946
1947	---	---	0.183	0.151	0	0	0	0	0	0	0	0	0.042	1947
1948	0	0	0	0	0	0	0	0	0	0	0	0	0	1948
1949	0	0	0	0	0	0	0	0	0	0	---	---	0	1949
1950	---	---	0	1.94	0.005	0	0	0	0	0	---	---	0.238	1950
1951	---	---	0	0.462	0.116	0	0	0	0	0	---	---	0.071	1951
1952	---	---	0	5.55	0.004	0	0	0	0	0	---	---	0.680	1952
1953	---	---	0	0	0	0	0	0	0	0	---	---	0	1953
1954	---	---	0	0.942	0.006	0	0	0	0	0	---	---	0.116	1954
1955	---	---	0.178	1.55	0.015	0.110	2.81	0.016	0	0	---	---	0.586	1955
1956	---	---	0.032	0.088	0.004	0	0	0	0	0	---	---	0.015	1956
1957	---	---	0.017	0.460	0	0	0	0	0	0	---	---	0.058	1957
1958	---	---	0.515	0.351	0	0	0	0	0	0	---	---	0.108	1958
1959	---	---	0.203	0.047	0	0.147	0.003	0	0	0	---	---	0.050	1959
1960	---	---	1.08	0.125	0.030	0	0	0	0	0	---	---	0.156	1960
1961	---	---	0.334	0	0	0	0	0	0	0	---	---	0.042	1961
1962	---	---	0.409	0.057	0	0.045	0.046	0	0	0	---	---	0.070	1962
1963	---	0.027	0.019	0	0	0	0	0	0	0	---	---	0.002	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	1.05	0.013	0	0	0	0	0	---	---	0.131	1965
1966	---	---	0.341	0.112	0.001	0	0	0	0	0	---	---	0.057	1966
1967	---	---	0.391	1.28	0.574	0	0	0	0	0	---	---	0.279	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	1.13	0.007	0	0	0	0	0	---	---	0.139	1969
1970	---	---	0	0	0	0	0	0	0	0	---	---	0	1970
1971	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1971
1972	---	---	0.015	0	0	0	0	0	0	0	---	---	0.002	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.274	0.363	0.345	0.002	0	0	0	0	---	---	0.123	1974
1975	---	---	0	0.248	0.105	0.004	0	0.043	0	0	---	---	0.050	1975
1976	---	---	0.599	0.017	0	0	0	0	0	0	---	---	0.078	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	1.71	0.022	0	0	0	0	0	---	---	0.213	1978
1979	---	---	0.694	0.321	0.026	0.079	0.267	0	0	0	---	---	0.174	1979
1980	---	---	0.215	0.007	0	0	0	0	0	0	---	---	0.028	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.035	1.37	0.138	0.175	0	0	0	0	---	---	0.211	1982
1983	---	---	0	0	0	0	0.027	0	0	0	---	---	0.003	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	1.45	0	0.148	0	0	0	1.66	0.303	---	---	0.441	1986
1987	---	---	0.131	0.011	0	0	0	0	0	0	---	---	0.016	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0.361	0	0	0	0	0	0	0	---	---	0.046	1990
MEAN	0	0.024	0.204	0.434	0.049	0.023	0.058	0.001	0.026	0.005	0	0	0.099	MEAN

LOCATION - LAT 49 00 17 N LONG 109 13 48 W DRAINAGE AREA, 174 km^2 NATURAL FLOW INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

LYONS CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB075

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	18.9 AT 19:00 MST ON APR 03	14.3 ON MAY 23	0 ON MAR 01 *	12 600	1927
1928	15.8 B ON APR 02	10.7 B ON APR 02	0B ON MAR 01	3 640	1928
1929	0.796 ON JUN 11	0.603 ON JUN 04	0 ON MAR 01	295	1929
1930	12.4 B AT 07:00 MST ON APR 02	10.7 B ON APR 02	0B ON MAR 02		
1931	---	0 ON MAR 01	0 ON MAR 01	5 170	1930
1932	0.708 AT 19:00 MST ON JUN 10	0.362 ON JUN 11	0 ON MAR 01	0	1931
1933	---	0 ON MAR 01	0 ON MAR 01	140	1932
1934	3.26 B AT 07:00 MST ON MAR 03	2.52 B ON MAR 03	0 ON MAR 28	0	1933
1935	12.8 AT 07:00 MST ON APR 13	7.02 ON APR 13	0 ON MAR 01	795	1934
1936	14.3 AT 18:00 MST ON APR 12	11.0 ON APR 12	0 ON MAR 01	2 290	1935
1937	5.21 AT 05:00 MST ON APR 09	2.80 ON APR 09	0 ON MAR 01	1 940	1936
1938	4.11 AT 18:30 MST ON MAR 25	3.14 B ON APR 09	0 ON MAR 01	946	1937
1939	17.1 AT 01:00 MST ON MAR 23	10.5 ON MAR 22	0 ON MAR 01	2 000	1938
1940	25.7 AT 07:30 MST ON APR 21	15.1 ON APR 21	0 ON MAR 01	3 130	1939
1941	11.6 AT 22:00 MST ON MAR 21	8.07 ON MAR 22	0 ON MAR 01	4 110	1940
1942	6.00 AT 08:15 MST ON JUN 29	4.22 ON JUN 29	0 ON MAR 01	2 790	1941
1943	9.12 AT 09:45 MST ON MAR 29	9.00 ON MAR 29	0 ON MAR 01	1 490	1942
1944	2.92 AT 19:15 MST ON MAR 17	1.50 ON MAR 18	0 ON MAR 01	1 860	1943
1945	0.411 AT 09:45 MST ON MAR 23	0.354 ON MAR 22	0 ON MAR 01	309	1944
1946	13.8 AT 20:05 MST ON JUN 05	2.66 ON MAR 11	0 ON MAR 01	111	1945
1947	1.84 AT 19:00 MST ON MAR 29	1.33 ON MAR 29	0 ON MAR 01	1 410	1946
1948	---	0 ON MAR 01	0 ON MAR 01	882	1947
1949	---	0 ON MAR 01	0 ON MAR 01	0	1948
1950	26.8 ON APR 13	14.7 ON APR 13	0 ON MAR 01	0	1949
1951	3.96 B AT 17:55 MST ON APR 05	2.89 ON APR 08	0 ON MAR 01	5 040	1950
1952	26.6 AT 03:00 MST ON APR 07	22.5 ON APR 07 *	0 ON MAR 01	1 510	1951
1953	---	0 ON MAR 01	0 ON MAR 01	14 400	1952
1954	18.3 AT 21:00 MST ON APR 06	9.49 ON APR 06	0B ON MAR 01	0	1953
1955	34.5 ON JUL 06	19.5 ON JUL 07	0B ON MAR 01	2 460	1954
1956	0.541 AT 19:00 MST ON APR 04	0.487 ON APR 04	0B ON MAR 01	12 400	1955
1957	3.45 AT 12:30 MST ON APR 01	3.17 ON APR 01	0 ON MAR 01	326	1956
1958	6.63 A AT 17:45 MST ON MAR 31	5.47 A ON MAR 31	0 ON MAR 01	1 240	1957
1959	6.94 AT 19:30 MST ON MAR 26	2.49 ON JUN 28	0 ON MAR 01	2 290	1958
1960	8.35 A AT 18:00 MST ON MAR 23	7.90 A ON MAR 23	0 ON MAR 01	1 060	1959
1961	5.21 AT 19:00 MST ON MAR 15	2.61 ON MAR 17	0 ON MAR 01	3 310	1960
1962	---	3.79 ON MAR 27	0 ON MAR 01	895	1961
1963	---	0.210B ON MAR 02	0B ON MAR 16	1 480	1962
1964	---	0 ON MAR 01	0 ON MAR 01	50.3	1963
1965	18.7 AT 13:30 MST ON APR 20	7.93 B ON APR 14	0B ON MAR 01	0	1964
1966	3.71 AT 23:30 MST ON APR 02	1.42 ON APR 03	0 ON MAR 01	2 770	1965
1967	8.89 AT 19:30 MST ON APR 03	4.76 ON APR 04	0 ON MAR 01	1 200	1966
1968	0 AT 00:00 MST ON MAR 01	0 ON MAR 01	0 ON MAR 01	5 910	1967
1969	15.7 AT 09:00 MST ON APR 07	10.4 ON APR 07	0 ON MAR 01	0	1968
1970	---	0 ON MAR 01	0 ON MAR 01	2 950	1969
1971	0.181 AT 22:00 CST ON APR 09	0.025 ON APR 10	0 ON MAR 01	0	1970
1972	1.23 AT 18:45 MST ON MAR 17	0.368 ON MAR 17	0 ON MAR 01	4.06	1971
1973	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	41.3	1972
1974	5.38 AT 16:00 CST ON APR 01	4.02 ON APR 01	0 ON MAR 01	0	1973
1975	2.78 A AT 01:00 CST ON APR 15	1.05 ON APR 20	0 ON MAR 01	2 600	1974
1976	5.69 B ON MAR 19	3.68 B ON MAR 19	0 ON MAR 01	1 050	1975
1977	---	0 ON MAR 01	0 ON MAR 01	1 650	1976
1978	21.5 B AT 19:30 CST ON APR 06	13.0 B ON APR 06	0B ON MAR 01	0	1977
1979	5.42 AT 19:00 CST ON MAR 24	3.43 ON MAR 24	0 ON MAR 01	4 500	1978
1980	2.33 AT 20:00 MST ON MAR 20	1.27 ON MAR 21	0 ON MAR 01	3 680	1979
1981	---	0 ON MAR 01	0 ON MAR 01	594	1980
1982	15.3 AT 20:00 CST ON APR 13	8.39 ON APR 14	0 ON MAR 01	0	1981
1983	1.74 AT 00:30 CST ON JUL 11	0.661 ON JUL 11	0 ON MAR 01	4 470	1982
1984	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	73.5	1983
1985	---	0 ON MAR 01	0 ON MAR 01	0	1984
1986	39.6 AT 13:00 CST ON SEP 25 *	18.8 ON SEP 25	0 ON MAR 01	0	1985
1987	0.940B AT 14:45 CST ON MAR 06	0.715B ON MAR 06	0 ON MAR 29	9 370	1986
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON APR 27	379	1987
1989	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1990	2.62 B AT 22:50 CST ON MAR 02	1.78 B ON MAR 03	0 ON APR 03	0	1989
				968	1990
				2 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACDONALD CREEK NEAR BOUNTY - STATION NO. 05HF005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0	0	---	---	---	1966
1967	---	---	0	0.376	0.989	0.195	0.001	0	0	0	---	---	0.195	1967
1968	---	---	0.189	0.012	0.001	0.004	0	0	0.002	0.006	---	---	0.027	1968
1969	---	---	0	3.66	0.353	0.096	0.047	0.020	0	0.024	---	---	0.516	1969
1970	---	---	0	8.88	1.29	0.366	0.324	0.153	0.031	0.030	---	---	1.36	1970
1971	---	---	0	1.34	0.382	0.136	0.043	0	0	0	---	---	0.234	1971
1972	---	---	0.090	0.112	0.007	0.057	0.002	0	0	0	---	---	0.033	1972
1973	---	---	0.050	0.023	0.009	0	0	0	0	0	---	---	0.010	1973
1974	---	---	0	2.58	0.260	0.039	0.265	0.013	0.001	0.003	---	---	0.390	1974
1975	---	---	0	1.31	0.579	0.347	0.189	0.059	0.031	0.017	---	---	0.314	1975
1976	---	---	0.012	3.46	0.706	0.227	0.148	0.040	0.001	0	---	---	0.566	1976
1977	---	---	0.015	0.042	0.026	0.001	0	0	0	0	---	---	0.010	1977
1978	---	---	0.092	0.127	0.019	0.005	0	0	0	0	---	---	0.030	1978
1979	---	---	0	0.948	0.031	0.008	0.002	0	0	0	---	---	0.121	1979
1980	---	---	0.229	0.100	0	0	0	0	0	0	---	---	0.041	1980
1981	---	---	0.011	0.013	0.001	0.001	0	0	0	0	---	---	0.003	1981
1982	---	---	0	1.29	0.112	0.064	0.002	0.008	0	0	---	---	0.181	1982
1983	---	---	0.214	0.520	0.100	0.046	0.312	0.008	0.020	0.013	---	---	0.154	1983
1984	---	---	0.544	0.157	0.004	0.006	0	0	0	0	---	---	0.089	1984
1985	---	---	0.001	3.38	0.093	0.006	0	0	0	0	---	---	0.426	1985
1986	---	---	0.069	0.036	0.001	0.073	0	0	0	0	---	---	0.022	1986
1987	---	---	0.224	0.091	0.018	0.001	0	0	0	0	---	---	0.042	1987
1988	---	---	0.004	0.001	0	0	0	0	0	0	---	---	0.001	1988
1989	---	---	0	0.001	0.001	0.001	0	0	0	0	---	---	0	1989
1990	---	---	0.306	0.077	0.004	0	0	0	0	0	---	---	0.049	1990
MEAN	---	---	0.085	1.19	0.208	0.070	0.056	0.013	0.003	0.004	---	---	0.201	MEAN

LOCATION - LAT 51 31 56 N DRAINAGE AREA, 2 550 km²
LONG 107 24 44 W NATURAL FLOW

MACDONALD CREEK NEAR BOUNTY - STATION NO. 05HF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0 ON AUG 22 *	---	1966
1967	4.16 B AT 01:30 CST ON APR 29	3.17 B ON APR 29	0B ON MAR 01	4 130	1967
1968	---	1.21 B ON MAR 04	0 ON MAY 02	571	1968
1969	32.0 AT 06:00 CST ON APR 11 *	26.0 ON APR 11	0B ON MAR 01	10 900	1969
1970	30.9 AT 03:30 CST ON APR 10	26.6 ON APR 11 *	0B ON MAR 01	20 900	1970
1971	6.71 B AT 23:51 CST ON APR 10	5.47 B ON APR 10	0B ON MAR 01	4 950	1971
1972	1.03 B AT 00:01 CST ON MAR 24	0.631B ON APR 03	0B ON MAR 01	704	1972
1973	0.609B AT 14:50 CST ON MAR 20	0.368B ON MAR 21	0B ON MAR 01	220	1973
1974	18.6 B AT 07:29 CST ON APR 20	16.5 B ON APR 20	0B ON MAR 01	8 240	1974
1975	8.83 AT 08:08 CST ON APR 20	8.33 ON APR 20	0B ON MAR 01	6 640	1975
1976	17.2 AT 00:26 CST ON APR 08	16.1 ON APR 07	0B ON MAR 01	12 000	1976
1977	0.238 AT 03:56 CST ON APR 10	0.210 ON APR 10	0B ON MAR 01	219	1977
1978	1.35 AT 08:05 CST ON MAR 29	0.332 ON MAR 29	0B ON MAR 01	639	1978
1979	4.51 AT 08:43 CST ON APR 19	4.31 ON APR 19	0B ON MAR 01	2 560	1979
1980	2.20 B AT 07:24 CST ON MAR 25	1.09 B ON MAR 29	0B ON MAR 01	874	1980
1981	0.070 AT 11:40 CST ON MAR 17	0.062 ON MAR 17	0B ON MAR 01	69.0	1981
1982	14.1 B AT 07:19 CST ON APR 17	9.39 B ON APR 17	0B ON MAR 01	3 840	1982
1983	4.40 B AT 00:22 CST ON MAR 31	3.15 B ON MAR 31	0B ON MAR 21	3 250	1983
1984	2.50 B AT 07:11 CST ON MAR 22	2.02 B ON MAR 21	0B ON MAR 01	1 090	1984
1985	13.6 AT 18:11 CST ON APR 09	12.5 ON APR 10	0B ON MAR 01	9 010	1985
1986	0.491 AT 03:45 CST ON JUN 05	0.440 ON JUN 04	0B ON MAR 01	472	1986
1987	0.747B AT 21:41 CST ON MAR 26	0.595B ON MAR 27	0B ON MAR 01	886	1987
1988	0.015 AT 00:00 CST ON MAR 22	0.015B ON MAR 22	0B ON MAR 01	13.2	1988
1989	0.033B AT 20:48 CST ON APR 02	0.008B ON APR 03	0B ON MAR 01	5.96	1989
1990	2.83 B AT 09:40 CST ON MAR 08	1.79 B ON MAR 08	0B ON MAR 01	1 030	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 250	MEAN

MACFARLANE RIVER AT OUTLET OF DAVY LAKE - STATION NO. 07MB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	96.4	72.6	55.6	57.3	56.6	49.5	---	1967
1968	44.4	42.2	43.6	48.6	88.0	79.6	66.5	50.3	59.5	112	93.9	70.5	66.7	1968
1969	62.1	54.2	48.7	61.3	86.2	63.4	45.4	34.2	37.4	44.4	40.5	36.7	51.2	1969
1970	30.1	30.3	33.1	39.5	74.5	66.9	50.9	42.8	54.1	62.6	62.3	52.6	50.2	1970
1971	46.7	43.5	41.1	48.5	77.6	51.5	40.7	38.3	42.4	46.0	45.0	39.5	46.8	1971
1972	35.9	34.2	32.6	32.4	72.5	66.9	47.1	33.7	34.6	51.4	45.7	37.9	43.9	1972
1973	37.0	36.6	36.4	36.3	85.9	46.0	70.5	51.1	64.7	64.5	58.0	53.4	52.7	1973
1974	47.9	45.0	41.7	42.1	86.2	72.8	68.6	61.5	67.8	75.4	67.2	51.2	60.7	1974
1975	45.5	42.8	41.9	47.5	94.2	70.8	62.3	51.2	56.6	64.4	65.3	56.7	58.4	1975
1976	50.9	44.7	40.3	57.6	85.4	64.2	50.8	64.4	65.2	71.4	69.1	57.1	60.1	1976
1977	51.1	49.4	46.5	60.5	92.0	84.8	70.4	64.5	73.8	69.2	59.8	51.9	64.6	1977
1978	46.1	42.6	41.7	46.0	89.9	75.5	52.0	47.9	59.0	72.9	61.4	51.4	57.3	1978
1979	46.1	42.6	41.7	42.4	69.1	77.9	54.4	46.0	46.5	55.0	55.1	45.9	51.9	1979
1980	40.0	37.9	37.3	52.6	63.2	40.2	34.3	33.7	35.8	39.9	38.1	32.8	40.5	1980
1981	30.0	29.3	29.3	33.3	69.8	53.5	39.2	30.7	26.8	27.0	32.2	32.8	36.2	1981
1982	27.5	22.8	21.6	23.7	63.6	54.4	38.7	38.2	40.4	40.3	36.1	35.1	37.0	1982
1983	33.4	32.0	32.6	37.6	60.1	55.4	42.7	36.8	40.6	48.3	46.5	38.3	42.1	1983
1984	34.8	33.4	33.6	48.8	57.4	49.5	45.5	43.7	51.7	55.0	56.3	48.3	46.5	1984
1985	40.0	38.0	37.7	40.5	106	90.4	65.1	46.0	53.0	60.0	55.4	46.7	56.7	1985
1986	40.3	38.2	38.5	48.0	92.3	71.5	66.9	67.0	56.9	54.3	48.2	46.3	55.8	1986
1987	43.2	42.1	40.4	50.7	97.8	66.1	44.8	39.6	45.7	43.6	46.4	43.6	50.4	1987
1988	37.8	34.8	35.5	37.6	79.1	72.7	61.5	54.2	58.5	62.2	58.8	53.7	53.9	1988
1989	44.8	40.4	37.6	39.1	89.3	86.4	66.2	47.2	51.7	62.0	57.6	53.9	56.5	1989
1990	49.6	44.6	43.0	44.4	73.2	65.9	50.0	38.8	38.5	43.0	45.2	43.6	48.3	1990
MEAN	42.0	39.2	38.1	44.3	78.9	66.4	55.5	48.5	50.7	57.7	54.2	47.0	51.7	MEAN

LOCATION - LAT 58 58 00 N DRAINAGE AREA, 9 120 km²
LONG 108 10 30 W NATURAL FLOW

MACFARLANE RIVER AT OUTLET OF DAVY LAKE - STATION NO. 07MB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	121 AT 15:00 CST ON OCT 17	117 ON OCT 15	41.9A ON JAN 31	2 110 000	1968
1969	95.1 AT 08:00 CST ON MAY 02	95.1 ON MAY 02	30.0 ON SEP 05	1 610 000	1969
1970	80.4 AT 12:00 CST ON MAY 27	80.1 ON MAY 27	29.7B ON FEB 05	1 580 000	1970
1971	88.3 AT 07:06 CST ON MAY 11	87.2 ON MAY 11	35.4 ON AUG 15	1 480 000	1971
1972	88.9 AT 22:26 CST ON MAY 24	88.3 ON MAY 24	30.3E ON AUG 25	1 390 000	1972
1973	---	96.6 ON JUL 25	36.0E ON MAR 29	1 660 000	1973
1974	---	102 E ON MAY 20	40.8 ON MAR 10	1 910 000	1974
1975	---	103 ON MAY 16	41.1 ON MAR 29	1 840 000	1975
1976	96.0 AT 18:09 CST ON MAY 10	93.4 ON MAY 10	39.4 ON MAR 07	1 900 000	1976
1977	113 AT 12:19 CST ON MAY 12	104 ON MAY 12	44.7E ON MAR 23	2 040 000	1977
1978	98.0 AT 22:42 CST ON MAY 16	97.7 ON MAY 16	40.5 ON MAR 04	1 810 000	1978
1979	99.0 AT 13:43 CST ON MAY 27	95.6 ON MAY 28	39.2 ON APR 05	1 640 000	1979
1980	---	78.0E ON APR 30	31.2 ON DEC 25	1 280 000	1980
1981	78.4 AT 13:15 CST ON MAY 16	77.8 ON MAY 16	23.8 ON OCT 08	1 140 000	1981
1982	78.9 AT 12:13 CST ON MAY 21	76.1 ON MAY 24	21.1 ON MAR 25 *	1 170 000	1982
1983	64.1 AT 09:21 CST ON MAY 11	63.1 ON MAY 11	29.5 ON APR 08	1 330 000	1983
1984	66.2 AT 00:22 CST ON OCT 25	62.9 ON OCT 25	32.0 ON MAR 14	1 470 000	1984
1985	130 AT 23:12 CST ON MAY 19 *	126 ON MAY 19 *	37.1 ON MAR 26	1 790 000	1985
1986	102 AT 13:34 CST ON MAY 23	97.7 ON MAY 17	34.3 ON MAR 22	1 760 000	1986
1987	110 AT 09:24 CST ON MAY 15	107 ON MAY 11	35.8 ON AUG 01	1 590 000	1987
1988	94.4 AT 06:28 CST ON MAY 24	92.5 ON MAY 24	33.4 ON FEB 10	1 710 000	1988
1989	113 AT 06:19 CST ON MAY 28	112 ON MAY 28	36.5 ON MAR 27	1 780 000	1989
1990	81.3 AT 13:09 CST ON MAY 23	79.2 ON MAY 19	35.2 ON AUG 31	1 520 000	1990
				1 630 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACLEOD TRIBUTARY NEAR BICKLEIGH - STATION NO. 05HF012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.067	0	0	0	0	0	0.003	---	---	0.009	1969
1970	---	---	0	0.077	0	0	0	0	0	0	---	---	0.009	1970
1971	---	---	0	0.039	0	0.001	0.003	0	0	0	---	---	0.005	1971
1972	---	---	0.002	0.001	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0.001	0.002	0	0	0	0	0	0	---	---	0	1973
MEAN	---	---	0.001	0.031	0	0	0.001	0	0	0.001	---	---	0.004	MEAN

LOCATION - LAT 51 19 44 N DRAINAGE AREA, 18.4 km²
LONG 108 24 05 W NATURAL FLOW

MACLEOD TRIBUTARY NEAR BICKLEIGH - STATION NO. 05HF012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.008A ON MAR 03	0E ON MAR 07 *	2.07	1968
1969	2.18 AT 18:20 CST ON APR 11 *	0.855 ON APR 11 *	0B ON MAR 01	180	1969
1970	1.65 AT 17:00 CST ON APR 09	0.586 ON APR 08	0B ON MAR 01	199	1970
1971	1.44 B AT 17:34 CST ON APR 08	0.402B ON APR 08	0B ON MAR 01	112	1971
1972	0.037B AT 17:24 CST ON APR 01	0.014B ON APR 01	0B ON MAR 01	6.74	1972
1973	0.019 AT 14:35 CST ON MAR 21	0.010B ON MAR 20	0B ON MAR 01	7.26	1973
				84.5	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACNAB CREEK NEAR SOMME - STATION NO. 05LB008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.006	0.723	---	---	---	---	---	---	---	---	1956
1957	---	---	---	0.809	0.599	---	---	---	---	---	---	---	---	1957
1960	---	---	---	0.925	---	---	---	---	---	---	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1963	---	---	0	0	0	0	0	0	0	0	---	---	0	1963
1964	---	---	---	---	0.403	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.145	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	0.235	0.379	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.112	1.10	---	---	---	---	---	---	---	---	1967
1968	---	---	---	0.019	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	0.372	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	0.216	---	---	---	---	---	---	---	---	---	1970
1974	---	---	---	0.431	1.49	0.381	---	---	---	---	---	---	---	1974
1975	---	---	0	0.440	0.776	0.514	0.064	0.006	0.011	0.050	---	---	0.231	1975
1976	---	---	0	0.512	0.112	2.16	0.263	0.028	0.001	0.001	---	---	0.378	1976
1977	---	---	0	0.037	0.034	0.004	0	0	0	0	---	---	0.009	1977
1978	---	---	0	0.266	0.115	0.005	0	0	0	0	---	---	0.048	1978
1979	---	---	0	0.473	0.953	0.628	0.014	0	0	0	---	---	0.257	1979
1980	---	---	0.001	0.114	0	0	0	0	0	0	---	---	0.014	1980
1981	---	---	0.002	0.005	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0	0.043	0.003	0.011	0	0	0	0	---	---	0.007	1982
1983	---	---	0	0.111	0.041	0.099	0.430	0.062	0	0	---	---	0.093	1983
1984	---	---	0.039	0.174	0.794	0.911	0.067	0	0	0	---	---	0.247	1984
1985	---	---	0	1.18	0.481	0.020	0.002	0.007	0	0.009	---	---	0.210	1985
1986	---	---	0.048	0.397	0.326	0.099	0	0.018	0.001	0	---	---	0.111	1986
1987	---	---	0	0.195	0.008	0.006	0	0	0	0	---	---	0.026	1987
1988	---	---	0	0.245	0.121	0	0	0	0	0	---	---	0.045	1988
1989	---	---	0	0.008	0	0	0	0	0	0	---	---	0.001	1989
1990	---	---	0.010	0.092	0.008	0	0	0	0	0	---	---	0.014	1990
MEAN	---	---	0.006	0.270	0.353	0.255	0.047	0.007	0.001	0.003	---	---	0.094	MEAN

LOCATION - LAT 52 36 29 N LONG 102 57 57 W
DRAINAGE AREA, 87.5 km^2
NATURAL FLOW

REMARKS - RECORDS PRIOR TO 1977 COLLECTED IN SE05-42-07-W2

MACNAB CREEK NEAR SOMME - STATION NO. 05LB008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1960	---	---	---	---	1960
1961	---	0 ON MAR 01	0 ON MAR 01 *	0	1961
1963	---	0 ON MAR 01	0 ON MAR 01	0	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	---	1.85 ON APR 29	0B ON MAR 01	4 900	1976
1977	---	5.75 ON JUN 25 *	0B ON MAR 01	8 010	1977
1978	---	0.167 ON APR 12	0B ON MAR 01	198	1978
1979	---	0.086B ON APR 16	0B ON MAR 01	1 010	1979
1980	0.691 AT 06:15 CST ON APR 06	3.28 ON JUN 07	0B ON MAR 01	4 440	1980
1981	0.182 AT 05:19 CST ON APR 07	0.486 ON APR 06	0B ON MAR 01	298	1981
1982	0.397 AT 17:45 CST ON APR 15	0.081 ON APR 07	0B ON MAR 01	17.1	1982
1983	1.53 AT 17:54 CST ON APR 22	0.348 ON APR 15	0B ON MAR 01	149	1983
1984	2.80 AT 17:35 CST ON JUN 08	1.20 ON JUL 04	0B ON MAR 01	1 970	1984
1985	3.97 AT 19:19 CST ON APR 21 *	2.61 ON JUN 08	0B ON MAR 01	5 220	1985
1986	---	3.54 ON APR 22	0B ON MAR 01	4 440	1986
1987	2.22 B AT 02:57 CST ON APR 05	1.20 B ON APR 01	0B ON MAR 01	2 340	1987
1988	3.08 B AT 19:57 CST ON APR 11	1.68 B ON APR 05	0B ON MAR 01	543	1988
1989	0.110 AT 19:14 CST ON APR 13	1.36 B ON APR 11	0B ON MAR 01	959	1989
1990	0.748 AT 20:17 CST ON APR 02	0.041 ON APR 06	0B ON MAR 01	20.2	1990
		0.559 ON APR 03	0B ON MAR 01	287	MEAN
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 990	

MAGNUSSON CREEK NEAR WYNYARD - STATION NO. 05MA021

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	0.271	0.037	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.491	0.007	---	---	---	---	---	---	---	---	1965
1966	---	---	---	0.468	0.078	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.970	0.122	0	---	---	---	---	---	---	---	1967
1969	---	---	---	---	0.007	---	---	---	---	---	---	---	---	1969
1970	---	---	0.119	1.09	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	2.22	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0.397	1.23	0.029	---	---	---	---	---	---	---	---	1972
1973	---	---	0.029	0.009	0.005	0.089	0.058	0	0	0	---	---	0.024	1973
1974	---	---	0	0.944	0.471	0.199	0	0.002	0.121	0.023	---	---	0.217	1974
1975	---	---	0	2.92	0.325	0.012	0	0	0	0	---	---	0.400	1975
1976	---	---	0	1.11	0.008	0.015	0.005	0	0	0	---	---	0.139	1976
1977	---	---	0	0.052	0.220	0.006	0	0	0	0	---	---	0.035	1977
1978	---	---	0.344	0.305	0.009	0	0.157	0	0	0	---	---	0.102	1978
1979	---	---	0	2.42	0.238	0.007	0	0	0	0	---	---	0.328	1979
1980	---	---	0	0.860	0	0	0	0	0	0	---	---	0.105	1980
1981	---	0.011	0.007	0	0	0	0	0.002	0	0	---	---	0.001	1981
1982	---	---	0.002	0.293	0.001	0.001	0	0	0	0	---	---	0.036	1982
1983	---	---	0	0.298	0.007	0	0.635	0.024	0	0	---	---	0.121	1983
1984	---	---	0.104	0.054	0.010	0.014	0	0	0	0	---	---	0.023	1984
1985	---	---	0.102	2.05	0.068	0.001	0	0	0	0	---	---	0.273	1985
1986	---	---	0.432	0.122	0.010	0	0	0	0	0	---	---	0.071	1986
1987	---	---	0.138	0.055	0	0	0	0	0	0	---	---	0.024	1987
1988	---	---	0.002	0.280	0	0	0	0	0	0	---	---	0.035	1988
1989	---	---	0.001	0.146	0	0	0	0	0	0	---	---	0.018	1989
1990	---	---	0.590	1.40	0.014	0.003	0	0	0	0	---	---	0.248	1990
MEAN	---	0.011	0.113	0.802	0.069	0.018	0.048	0.002	0.007	0.001	---	---	0.122	MEAN

LOCATION - LAT 51 48 52 N LONG 104 12 11 W DRAINAGE AREA, 121 km^2 NATURAL FLOW

MAGNUSSON CREEK NEAR WYNYARD - STATION NO. 05MA021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	17.0 B ON APR 08	OB ON APR 01 *	---	1971
1972	---	---	---	---	1972
1973	0.507 AT 06:35 CST ON JUN 05	0.439 ON JUN 05	OB ON MAR 01	499	1973
1974	9.43 AT 12:26 CST ON APR 19	6.77 B ON APR 19	OB ON MAR 01	4 600	1974
1975	28.9 AT 02:48 CST ON APR 29 *	20.7 ON APR 29 *	OB ON MAR 01	8 480	1975
1976	11.5 B AT 08:21 CST ON APR 08	7.73 B ON APR 08	OB ON MAR 01	2 940	1976
1977	7.50 AT 09:43 CST ON MAY 25	3.71 ON MAY 25	OB ON MAR 01	739	1977
1978	5.21 B AT 11:08 CST ON MAR 29	4.11 B ON MAR 29	OB ON MAR 01	2 160	1978
1979	20.4 B AT 09:35 CST ON APR 21	15.1 B ON APR 21	OB ON MAR 01	6 940	1979
1980	11.4 B AT 14:46 CST ON APR 04	6.70 B ON APR 04	OB ON MAR 01	2 230	1980
1981	0.212B AT 13:15 CST ON MAR 17	0.070B ON MAR 17	OB ON MAR 05	26.0	1981
1982	2.12 AT 11:40 CST ON APR 14	1.87 ON APR 14	OB ON MAR 01	766	1982
1983	4.72 AT 13:28 CST ON JUL 22	3.78 ON JUL 22	OB ON MAR 01	2 560	1983
1984	0.977B AT 12:20 CST ON MAR 26	0.756B ON MAR 26	OB ON MAR 01	481	1984
1985	17.1 AT 20:04 CST ON APR 02	11.5 ON APR 02	OB ON MAR 01	5 770	1985
1986	2.56 B AT 23:48 CST ON MAR 28	2.15 B ON MAR 29	OB ON MAR 01	1 500	1986
1987	1.43 B AT 14:36 CST ON MAR 07	1.05 B ON MAR 07	OB ON MAR 01	512	1987
1988	2.25 B AT 20:20 CST ON APR 03	1.91 B ON APR 03	OB ON MAR 01	731	1988
1989	1.80 B AT 14:54 CST ON APR 02	1.08 ON APR 03	OB ON MAR 01	379	1989
1990	15.1 B AT 04:28 CST ON MAR 31	10.1 ON APR 03	OB ON MAR 01	5 260	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 590	MEAN

MAKWA RIVER AT OUTLET OF MAKWA LAKE - STATION NO. 06AD009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	0.265	---	---	---	---	---	---	---	---	1967
1968	---	---	---	---	0.744	---	---	---	---	---	---	---	---	1968
1970	---	---	---	---	2.46	---	---	---	---	---	---	---	---	1970
1972	---	---	---	3.94	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	1.30	3.69	---	---	---	---	---	---	---	---	1973
1974	---	---	---	2.36	11.4	16.1	---	---	---	---	---	---	---	1974
1975	---	---	0.992	1.35	3.36	2.43	3.70	3.04	1.78	3.33	---	---	2.50	1975
1976	---	---	1.01	0.585	0.056	0.017	0.032	0.032	0.043	0.034	---	---	0.223	1976
1977	---	---	0	0.160	0.466	0.187	0.283	0.542	0.430	0.271	---	---	0.293	1977
1978	---	---	0.738	3.12	2.82	2.31	0.557	0.028	0.028	0.034	---	---	1.20	1978
1979	---	---	0.205	0.653	2.05	2.61	1.69	0.729	0.423	0.265	---	---	1.08	1979
1980	---	---	0.578	2.69	0.609	0.167	0.011	0.013	0.013	0.030	---	---	0.508	1980
1981	---	---	0.152	1.80	0.845	0.017	0.043	0.041	0.011	0.025	---	---	0.364	1981
1982	---	---	0.002	0.008	0.048	0.105	0.189	0.329	0.115	0.089	---	---	0.111	1982
1983	---	---	0.129	0.361	0.367	0.123	0.196	0.076	0.051	0.014	---	---	0.164	1983
1984	---	---	0.115	0.252	0.502	1.67	0.951	0.271	0.031	0.033	---	---	0.476	1984
1985	---	---	0.188	1.09	3.01	1.70	0.401	0.071	0.039	0.005	---	---	0.811	1985
1986	---	---	0.277	0.700	1.18	1.72	1.91	5.41	2.21	0.816	---	---	1.78	1986
1987	---	---	0.553	1.79	2.47	1.11	0.500	0.288	0.130	0.044	---	---	0.858	1987
1988	---	---	0.223	0.744	0.816	0.553	0.493	0.482	0.456	0.301	---	---	0.508	1988
1989	---	---	0.476	1.10	1.45	0.800	0.346	0.092	0.050	0.030	---	---	0.542	1989
1990	---	---	0.093	0.572	0.870	0.336	0.629	0.232	0.013	0.001	---	---	0.344	1990
MEAN	---	---	0.358	1.29	1.88	1.88	0.746	0.730	0.364	0.333	---	---	0.735	MEAN

LOCATION - LAT 54 04 40 N LONG 109 12 00 W DRAINAGE AREA, 1 420 km^2 REGULATED

MAKWA RIVER AT OUTLET OF MAKWA LAKE - STATION NO. 06AD009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1970	---	---	---	---	1970
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	5.52 E ON OCT 30	0.923 ON APR 10	53 000	1975
1976	---	1.24 ON APR 13	0.003 ON JUN 19	4 710	1976
1977	---	0.691 ON AUG 09	0 B ON MAR 01 *	6 200	1977
1978	3.77 AT 12:34 CST ON APR 25	3.74 ON APR 25	0.028 ON JUL 17	25 300	1978
1979	2.95 AT 06:19 CST ON JUN 16	2.91 ON JUN 16	0.142E ON OCT 31	22 800	1979
1980	5.01 AT 02:07 CST ON APR 12	4.72 ON APR 12	0.001 ON JUL 30	10 800	1980
1981	2.57 B AT 12:40 CST ON APR 05	2.44 B ON APR 05	0.001 ON JUN 21	7 700	1981
1982	0.514 AT 13:46 CST ON AUG 22	0.501 ON AUG 22	0.001B ON MAR 01	2 350	1982
1983	0.673 AT 15:46 CST ON MAY 02	0.557 ON MAY 07	0.008 ON OCT 24	3 480	1983
1984	2.58 AT 13:02 CST ON JUN 30	2.09 ON JUN 17	0.009 ON SEP 20	10 100	1984
1985	3.78 AT 13:07 CST ON MAY 08	3.53 ON MAY 06	0.001E ON OCT 05	17 200	1985
1986	6.78 AT 13:30 CST ON AUG 15 *	6.65 ON AUG 12 *	0.150B ON MAR 01	37 700	1986
1987	3.63 AT 22:03 CST ON MAY 04	3.40 ON MAY 05	0.032 ON OCT 18	18 200	1987
1988	1.20 AT 10:48 CST ON APR 30	1.12 ON MAY 03	0.113 ON AUG 05	10 700	1988
1989	1.78 AT 14:25 CST ON MAY 20	1.68 ON MAY 20	0.021 ON OCT 31	11 500	1989
1990	1.12 AT 18:39 CST ON MAY 06	1.08 ON MAY 08	0.001 ON SEP 24	7 280	1990
				15 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAKWA RIVER AT RAPID VIEW - STATION NO. 06AD007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	29.3	20.0	10.4	8.02	4.60	---	---	---	---	---	1960
1961	---	---	---	8.78	4.56	2.53	1.89	---	---	---	---	---	---	1961
1962	---	---	---	8.06	6.95	6.66	0.761	---	---	---	---	---	---	1962
1963	---	---	---	9.83	8.74	5.70	2.78	---	---	---	---	---	---	1963
1964	---	---	---	0.977	1.20	---	---	---	---	---	---	---	---	1964
1965	---	---	---	12.0	11.4	26.3	---	---	---	---	---	---	---	1965
1966	---	---	---	---	2.18	---	---	---	---	---	---	---	---	1966
1971	---	---	1.34	12.1	5.48	2.50	1.75	2.22	1.49	1.12	---	---	3.48	1971
1972	---	---	0.926	9.87	9.59	3.19	4.30	0.361	0.317	0.576	---	---	3.25	1972
1973	---	---	0.798	6.11	7.06	5.50	3.82	1.46	0.568	1.44	---	---	3.59	1973
1974	---	---	1.83	20.3	23.6	19.4	12.6	6.01	6.38	1.90	---	---	11.4	1974
1975	---	---	2.10	13.1	7.78	5.71	14.5	4.35	2.67	0.837	---	---	6.37	1975
1976	---	---	0.870	4.99	1.02	0.756	0.919	1.28	0.795	0.335	---	---	1.36	1976
1977	---	---	0.057	3.73	5.92	2.11	0.438	1.30	1.03	0.905	---	---	1.93	1977
1978	---	---	0.465	8.69	13.3	3.96	0.746	0.066	0.085	0.111	---	---	3.41	1978
1979	---	---	0	4.82	10.8	4.88	2.47	0.805	0.495	0.380	---	---	3.08	1979
1980	---	---	0.362	6.32	1.84	0.424	0.093	0.203	0.979	0.963	---	---	1.38	1980
1981	---	---	0.882	5.05	1.80	0.128	0.062	0.078	0.046	0.090	---	---	1.01	1981
1982	---	---	0	3.79	3.42	0.863	0.858	0.670	0.392	0.849	---	---	1.35	1982
1983	---	---	0.248	2.58	1.18	1.16	1.06	0.298	0.804	0.721	---	---	1.00	1983
1984	---	---	0.447	4.16	5.15	9.66	2.38	0.923	0.523	0.591	---	---	2.96	1984
1985	---	---	0.454	9.81	10.1	4.76	1.45	0.552	0.309	0.336	---	---	3.45	1985
1986	---	---	0.679	5.89	3.79	3.76	3.45	10.9	3.55	1.49	---	---	4.19	1986
1987	---	---	0.614	9.11	3.69	1.44	0.732	0.416	0.291	0.420	---	---	2.07	1987
1988	---	---	0.236	4.63	1.30	1.82	5.21	4.20	9.43	1.97	---	---	3.54	1988
1989	---	---	0.455	6.03	3.15	1.53	0.387	0.210	0.243	0.311	---	---	1.53	1989
1990	---	---	0.381	8.04	4.28	0.635	0.524	0.302	0.019	0.070	---	---	1.77	1990
MEAN	---	---	0.657	8.39	6.64	5.02	2.93	1.96	1.52	0.771	---	---	3.11	MEAN

LOCATION - LAT 54 08 50 N DRAINAGE AREA, 2 740 km²
LONG 108 48 20 W REGULATED

MAKWA RIVER AT RAPID VIEW - STATION NO. 06AD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1971	37.4 AT 18:00 CST ON APR 17	36.0 ON APR 18	0.527 ON OCT 23	73 600	1971
1972	22.0 AT 16:00 CST ON APR 20	20.7 ON APR 20	0 ON AUG 27 *	60 800	1972
1973	20.8 AT 13:00 CST ON APR 16	18.7 ON APR 17	0.198 ON SEP 01	76 000	1973
1974	59.2 AT 15:59 CST ON APR 22 *	58.9 ON APR 22 *	1.13 E ON OCT 23	242 000	1974
1975	---	27.2 E ON APR 18	0.490 ON OCT 10	135 000	1975
1976	---	15.1 ON APR 09	0.193 ON OCT 13	28 800	1976
1977	---	19.2 ON MAY 29	0.054B ON MAR 01	40 900	1977
1978	23.2 AT 14:30 CST ON APR 15	20.8 B ON APR 15	0 ON AUG 11	72 300	1978
1979	29.8 B AT 03:14 CST ON APR 27	29.5 ON APR 29	0 B ON MAR 01	65 200	1979
1980	18.2 AT 16:48 CST ON APR 17	18.0 ON APR 18	0.004E ON JUL 14	29 300	1980
1981	10.5 AT 08:00 CST ON APR 05	9.34B ON APR 05	0 E ON SEP 17	21 300	1981
1982	15.2 AT 12:02 CST ON APR 27	15.1 ON APR 27	0 B ON MAR 01	28 600	1982
1983	8.72 AT 00:27 CST ON APR 14	7.53 ON APR 14	0.194 ON SEP 07	21 200	1983
1984	13.5 AT 15:02 CST ON MAY 31	13.3 ON MAY 30	0.255B ON MAR 01	62 600	1984
1985	20.1 AT 18:30 CST ON APR 12	19.3 ON APR 12	0.160 ON OCT 15	73 000	1985
1986	16.7 AT 06:30 CST ON AUG 10	16.6 ON AUG 09	0.307B ON MAR 18	88 600	1986
1987	25.7 AT 00:45 CST ON APR 13	25.1 ON APR 13	0.245 ON SEP 21	43 800	1987
1988	17.0 AT 23:42 CST ON AUG 31	17.0 ON SEP 01	0.148B ON MAR 01	75 000	1988
1989	---	14.1 B ON APR 14	0.125 ON SEP 02	32 300	1989
1990	27.7 AT 00:00 CST ON APR 06	25.3 ON APR 06	0.001 ON OCT 01	37 400	1990
				65 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAKWA RIVER NEAR BROUN'S FARM - STATION NO. 06AD002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	9.80	13.0	5.63	2.49	3.09	---	---	---	---	1933
1934	---	---	---	---	5.49	3.08	3.18	1.55	0.903	0.748	---	---	2.50	1934
1935	---	---	---	---	5.05	2.81	1.94	1.35	0.812	0.904	---	---	2.15	1935
1936	---	---	---	---	2.60	1.81	1.18	0.645	0.586	0.687	---	---	1.25	1936
1937	---	---	---	---	2.56	1.41	0.894	0.676	0.400	0.372	---	---	1.05	1937
1938	---	---	---	---	1.21	0.806	0.356	0.102	0.041	0.066	---	---	0.431	1938
1939	---	---	---	---	1.65	0.833	0.543	0.069	0.040	0.130	---	---	0.546	1939
1940	---	---	---	---	0.426	0.300	0.114	0.050	0.021	0.060	---	---	0.162	1940
MEAN	---	---	---	---	3.60	3.01	1.73	0.867	0.737	0.424	---	---	1.16	MEAN

LOCATION - LAT 54 12 00 N
LONG 108 47 00 W
DRAINAGE AREA, 2 950 km^2
NATURAL FLOW

MAKWA RIVER NEAR BROUN'S FARM - STATION NO. 06AD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	17.8 ON JUN 01 *	---	---	1933
1934	---	13.6 ON MAY 01	0.660 ON OCT 30	39 700	1934
1935	---	9.97 ON MAY 01	0.527 ON SEP 24	34 200	1935
1936	---	4.11 ON MAY 03	0.498 ON AUG 11	19 900	1936
1937	---	3.28 ON MAY 12	0.326 ON SEP 19	16 700	1937
1938	---	1.47 ON JUN 01	0.006 ON SEP 07 *	6 850	1938
1939	---	2.44 ON MAY 01	0.023 ON SEP 07	8 680	1939
1940	---	0.634 ON MAY 01	0.017 ON SEP 30	2 570	1940
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 400	MEAN

MALONECK CREEK NEAR PELLY - STATION NO. 05LE011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	1.47	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	2.31	1.23	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.697	3.80	---	---	---	---	---	---	---	---	1967
1969	---	---	---	2.15	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.66	1.26	---	---	---	---	---	---	---	---	1970
1971	---	---	---	3.63	---	---	---	---	---	---	---	---	---	1971
1974	---	---	0.006	2.90	2.98	0.346	0	0.043	0.124	0.170	---	---	0.817	1974
1975	---	---	0.084	3.02	1.20	1.02	0.211	0.034	0.207	0.085	---	---	0.724	1975
1976	---	---	0	3.00	0.254	1.97	0.293	0.015	0	0	---	---	0.679	1976
1977	---	---	0	0.808	0.168	0.061	0	0.014	0.147	0.093	---	---	0.159	1977
1978	---	---	0	1.43	0.188	0.035	0.010	0	0	0.023	---	---	0.207	1978
1979	---	---	0.001	2.08	2.40	0.261	0.002	0	0	0	---	---	0.590	1979
1980	---	---	0	1.06	0.024	0.002	0	0	0	0	---	---	0.133	1980
1981	---	---	0.036	0.198	0.081	0.013	0.001	0	0	0	---	---	0.041	1981
1982	---	---	0	0.008	0.004	0.061	0.124	0.013	0.001	0.001	---	---	0.026	1982
1983	---	---	0	1.82	0.816	0.124	1.59	0.284	0.010	0.054	---	---	0.586	1983
1984	---	---	0.183	1.51	1.76	1.18	0.044	0.001	0.009	0.049	---	---	0.589	1984
1985	---	---	0.006	3.11	0.476	0.168	0.011	0.006	0.004	0.035	---	---	0.470	1985
1986	---	---	0.040	2.68	0.564	0.203	0.337	0.045	0.011	0.100	---	---	0.491	1986
1987	---	---	0.007	2.13	0.119	0.148	0.212	0.029	0.003	0.068	---	---	0.334	1987
1988	---	---	0.001	4.12	4.15	0.065	0.001	0	0	0	---	---	1.04	1988
1989	---	---	0	0.134	0.174	0.123	0.025	0.011	0.007	0.011	---	---	0.060	1989
1990	---	---	0	1.13	0.412	0.075	0.147	0	0	0	---	---	0.218	1990
MEAN	---	---	0.021	1.87	1.10	0.344	0.177	0.029	0.031	0.041	---	---	0.421	MEAN

LOCATION - LAT 51 58 08 N DRAINAGE AREA, 180 km²
LONG 101 54 50 W NATURAL FLOW

MALONECK CREEK NEAR PELLY - STATION NO. 05LE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	17.4 B AT 22:10 CST ON APR 19	13.5 B ON APR 21	0 ON JUN 26 *	17 300	1974
1975	12.6 B AT 18:29 CST ON APR 22	9.49 ON APR 25	0 ON AUG 08	15 300	1975
1976	15.7 B AT 19:55 CST ON APR 09	10.9 B ON APR 12	0 B ON MAR 01	14 400	1976
1977	4.11 AT 10:45 CST ON APR 12	3.82 ON APR 14	0 B ON MAR 01	3 370	1977
1978	---	8.01 B ON APR 20	0 B ON MAR 01	4 380	1978
1979	11.6 AT 23:14 CST ON APR 27	10.7 ON APR 28	0 B ON MAR 01	12 500	1979
1980	9.90 AT 19:42 CST ON APR 14	6.42 ON APR 14	0 B ON MAR 01	2 810	1980
1981	---	0.350B ON APR 08	0 B ON MAR 01	964	1981
1982	0.697 AT 11:29 CST ON JUL 20	0.656 ON JUL 20	0 B ON MAR 01	560	1982
1983	13.4 AT 19:52 CST ON APR 25	12.2 ON APR 25	0 B ON MAR 01	12 400	1983
1984	4.50 B AT 18:01 CST ON APR 03	3.98 ON MAY 19	0 ON AUG 26	12 500	1984
1985	12.7 AT 13:15 CST ON APR 16	9.39 ON APR 16	0.001B ON MAR 02	9 940	1985
1986	17.3 B AT 22:46 CST ON APR 06	12.7 B ON APR 08	0 B ON MAR 01	10 400	1986
1987	12.1 B AT 16:24 CST ON APR 05	9.23 B ON APR 08	0 B ON MAR 01	7 070	1987
1988	33.9 AT 20:33 CST ON MAY 02 *	29.9 ON MAY 03 *	0 B ON MAR 01	22 000	1988
1989	0.423 AT 05:01 CST ON APR 25	0.393 ON APR 25	0 B ON MAR 01	1 280	1989
1990	3.06 B AT 19:30 CST ON APR 19	2.91 b ON APR 20	0 B ON MAR 01	4 610	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 920	MEAN

MANN DITCH NEAR SKULL CREEK - STATION NO. 05HA031

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0.022	0.002	0	0	0	0	0	---	---	0.003	1915
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	0.004	0.014	0	0	0	0	0	0	---	---	0.002	1919
1920	---	---	0.030	0.019	0	0	0	0	0	0	---	---	0.006	1920
MEAN	---	---	0.011	0.018	0.001	0	0	0	0	0	---	---	0.004	MEAN

LOCATION - LAT 49 52 15 N
LONG 100 57 40 W REGULATED

MANN DITCH NEAR SKULL CREEK - STATION NO. 05HA031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.076 ON APR 02	0 ON MAR 01 *	61.9	1915
1918	---	---	---	---	1918
1919	---	0.065 ON MAR 31	0 ON MAR 01	46.7	1919
1920	---	0.142 ON MAR 21 *	0 ON MAR 01	132	1920
				80.2	MEAN

0R ON MAY 02

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

MANYBONE CREEK NEAR KRONAU - STATION NO. 05JF007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	0	0.900	0.097	0.055	---	---	---	---	---	---	---	1947
1948	---	---	0	0.835	0.113	0.018	0	0	0	0	---	---	---	1948
1950	---	---	0	0.091	0	0	---	---	---	---	---	---	---	1950
MEAN	---	---	0	0.609	0.070	0.024	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 50 17 01 N LONG 104 14 47 W DRAINAGE AREA, 197 km^2 NATURAL FLOW

MANYBONE CREEK NEAR KRONAU - STATION NO. 05JF007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	4.22 ON APR 14	0 ON MAR 01 *	---	1947
1948	---	9.60 ON APR 23 *	0B ON MAR 01	---	1948
1950	---	1.98B ON APR 15	0B ON MAR 01	---	1950
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAPLE CREEK ABOVE BIGSTICK LAKE - STATION NO. 05HA068

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0	0	0	0	0	0	0	---	---	---	1944
1945	---	---	0	0	0	0	0	0	0	0	---	---	---	1945
1946	---	---	0	0	0	0	0	0	0	0	---	---	---	1946
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 50 11 10 N LONG 109 27 10 W DRAINAGE AREA, 3 190 km^2 REGULATED

MAPLE CREEK ABOVE BIGSTICK LAKE - STATION NO. 05HA068

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	0 ON MAR 01 *	0 ON MAR 01 *	---	1944
1945	---	0 ON MAR 01	0 ON MAR 01	---	1945
1946	---	0 ON MAR 01	0 ON MAR 01	---	1946
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAPLE CREEK ABOVE JUNCTION RESERVOIR - STATION NO. 05HA008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	---	---	---	---	---	1908
1909	---	---	---	1.00	1.08	---	0.392	0.004	0.001	0.001	---	---	---	1909
1910	---	---	---	0.028	0.005	0.004	0.001	0.001	0	0	---	---	---	1910
1911	---	---	---	1.28	0.248	---	---	0	0.025	0.034	---	---	---	1911
1912	---	---	---	3.10	0.476	0.241	0.004	0.017	0	0	---	---	---	1912
1913	---	---	---	1.39	0.203	0.082	0.002	0	0	0	---	---	---	1913
1914	---	---	---	0.579	0.076	0.001	0	0	0	0.238	---	---	---	1914
1915	---	---	---	0.971	---	---	---	---	---	---	---	---	---	1915
1944	---	---	0.297	0.177	0.004	0.008	0.023	0.002	0	0	---	---	0.064	1944
1945	---	---	0.067	0.002	0.019	0.032	0	0	0	0	---	---	0.015	1945
1946	---	---	0.463	0.054	0.087	0.211	0.043	---	---	---	---	---	---	1946
1947	---	---	0.510	1.06	0.045	0.028	0.023	0.177	0.029	0.024	---	---	0.236	1947
1948	---	---	0.016	0.821	0.154	0.063	0.028	0.011	0	0	---	---	0.135	1948
1949	---	---	---	0	0	0	0	---	---	---	---	---	---	1949
1950	---	---	0	0.185	0.018	0.004	0.001	0.001	0	0	---	---	0.026	1950
1951	---	---	0	2.89	0.981	0.114	0.011	0.003	0.001	0	---	---	0.494	1951
1952	---	0.222	0.759	2.75	0.261	0.042	0.009	0.003	0	0.001	---	---	0.472	1952
1953	---	---	0.179	0.661	0.818	0.751	0.119	0.013	0.002	0.001	---	---	0.316	1953
1954	---	0.073	0.029	0.403	0.263	0.292	0.034	0.041	0.005	0.017	---	---	0.134	1954
1955	---	---	0.230	6.79	1.32	0.087	0.309	0.017	0.004	0.003	---	---	1.08	1955
1956	---	---	0.273	0.429	0.116	0.018	0.007	0.001	0	0	---	---	0.105	1956
1957	---	0.019	0.008	0.164	0.055	0.011	0.042	0.001	0.001	0	---	---	0.035	1957
1958	---	---	0	0.053	0.012	0.002	0.004	0.022	0	0	---	---	0.012	1958
1959	---	---	0.021	0.029	0.024	0.014	0.024	0.005	0	0.007	---	---	0.016	1959
1960	---	---	0.188	0.048	0.025	0.001	0.002	0.028	0.110	0.002	---	---	0.050	1960
1961	---	---	0.001	0.014	0.007	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0	0	0.004	0.017	0.037	0.006	0	0	---	---	0.008	1962
1963	---	0.154	0.004	0.001	0.028	0.029	0.014	0	0	0	---	---	0.009	1963
1964	---	---	0	0	0.026	0	0.007	0	0	0	---	---	0.004	1964
1965	---	---	0	0.456	0.076	0.129	0.111	0.014	0.003	0.010	---	---	0.099	1965
1966	---	---	0.097	0.142	0.088	0.073	0.038	0.016	0.019	0	---	---	0.059	1966
1967	---	---	0.141	0.548	1.52	0.100	0.042	0.005	0	0	---	---	0.295	1967
1968	---	---	0.015	0.022	0.017	0.003	0.005	0.028	0.007	0.002	---	---	0.013	1968
1969	---	---	0.078	0.248	0.227	0.017	0.111	0.030	0	0.003	---	---	0.089	1969
1970	---	---	0.019	0.589	0.697	0.125	0.182	0.040	0.040	0.001	---	---	0.211	1970
1971	---	0.164	0.035	0.805	0.377	0.049	0.059	0.028	0.004	0.013	---	---	0.170	1971
1972	---	---	0.041	0.025	0.033	0.141	0.025	0.010	0	0.010	---	---	0.035	1972
1973	---	---	0.033	0.030	0.011	0.002	0	0	0	0	---	---	0.009	1973
MEAN	---	0.126	0.121	0.750	0.261	0.079	0.049	0.015	0.007	0.011	---	---	0.150	MEAN

LOCATION - LAT 49 54 43 N DRAINAGE AREA, 453 km²
LONG 109 29 14 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

MAPLE CREEK ABOVE JUNCTION RESERVOIR - STATION NO. 05HA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	0R ON MAY 09 *	---	1909
1910	---	---	---	---	
1911	---	---	0 ON JUL 11	---	1910
1912	---	---	0 ON JUL 27	---	1911
1913	---	---	0 ON JUL 22	---	1912
1914	---	---	0 ON AUG 01	---	1913
1915	---	---	0E ON JUN 07	---	1914
1944	---	---	---	---	1915
1945	---	4.19 B ON MAR 18	0B ON MAR 27	1 350	1944
1946	---	0.255B ON MAR 15	0B ON MAR 01	319	1945
1947	---	1.98 ON MAR 20	0B ON MAR 01	---	1946
1948	---	2.72 B ON MAR 23	0B ON MAR 01	4 990	1947
1949	---	3.99 ON APR 18	0B ON MAR 01	2 850	1948
1950	---	---	0 ON APR 01	---	1949
1951	---	1.12 ON APR 17	0B ON MAR 01	544	1950
1952	---	6.71 ON APR 30	0B ON MAR 01	10 400	1951
1953	---	8.04 ON APR 07	0B ON MAR 01	9 990	1952
1954	---	5.83 ON JUN 04	0B ON MAR 01	6 690	1953
1955	49.0 AT 07:00 MST ON APR 10 *	3.68 ON JUN 12	0B ON MAR 01	2 840	1954
1956	---	37.4 ON APR 10 *	0B ON MAR 01	22 900	1955
1957	---	2.04 B ON MAR 27	0B ON MAR 01	2 220	1956
1958	---	0.549 ON APR 23	0B ON MAR 01	739	1957
1959	---	0.419 ON AUG 23	0B ON MAR 01	245	1958
1960	---	0.306 ON APR 16	0B ON MAR 01	330	1959
1961	---	0.765B ON MAR 19	0B ON MAR 01	1 060	1960
1962	---	0.042 ON APR 26	0B ON MAR 01	59.2	1961
1963	---	0.130 ON MAY 31	0 ON MAR 01	168	1962
1964	---	0.099 ON MAY 21	0B ON MAR 01	200	1963
1965	---	0.198 ON MAY 08	0 ON MAR 01	88.1	1964
1966	---	2.02 ON JUN 27	0B ON MAR 01	2 090	1965
1967	---	0.345B ON MAR 14	0B ON MAR 01	1 250	1966
1968	---	6.65 ON MAY 08	0B ON MAR 11	6 250	1967
1969	3.20 AT 03:30 MST ON APR 08	0.057B ON MAR 02	0B ON MAR 14	265	1968
1970	7.62 AT 23:50 MST ON APR 25	1.90 ON APR 08	0B ON MAR 01	1 890	1969
1971	3.91 AT 09:07 CST ON APR 24	5.32 ON APR 26	0B ON MAR 01	4 470	1970
1972	2.86 AT 07:52 CST ON JUN 10	3.51 ON APR 24	0B ON MAR 23	3 600	1971
1973	0.258B AT 05:00 CST ON MAR 12	2.01 ON JUN 10	0B ON MAR 01	750	1972
		0.136B ON MAR 12	0E ON JUL 07	200	1973
				3 170	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

MAPLE CREEK ABOVE TENAILLE LAKE RESERVOIR - STATION NO. 05HA067

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0.050	0.020	0.385	0.315	0.228	0.001	0	---	---	0.125	1944
1945	---	---	0.023	0.068	0.406	0.156	0.006	---	---	---	---	---	---	1945
1946	---	---	0.093	0.272	0.201	0.150	0.006	0	0	0	---	---	0.090	1946
1947	---	---	0.078	0.221	0.966	0.736	0.367	0.045	0	0	---	---	0.301	1947
1948	---	---	0.709	1.25	1.16	0.158	0.883	0.210	0.275	0	---	---	0.591	1948
1949	---	---	0.034	0.223	0.036	0	0	---	---	---	---	---	---	1949
1950	---	---	0.016	0.011	0.295	0.001	0	0	0	0	---	---	0.041	1950
1951	---	---	0	2.65	---	0.142	0.100	0.086	0.450	0.581	---	---	---	1951
1952	---	---	3.13	8.56	0.922	0.071	0.336	0.397	0.018	0.123	---	---	1.68	1952
1953	---	---	0.125	0.711	1.82	9.24	0.474	0.242	0.011	0.008	---	---	1.56	1953
1954	---	---	0.044	0.166	0.348	0.584	0.193	0.056	0.032	1.15	---	---	0.323	1954
MEAN	---	---	0.394	1.29	0.617	1.06	0.244	0.140	0.087	0.207	---	---	0.589	MEAN

LOCATION - LAT 50 05 11 N LONG 109 31 48 W
DRAINAGE AREA, 1 560 km^2
REGULATED

MAPLE CREEK ABOVE TENAILLE LAKE RESERVOIR - STATION NO. 05HA067

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	1.59 ON AUG 07	0B ON MAR 01 *	2 640	1944
1945	---	---	---	---	
1946	---	1.29 ON MAR 04	0B ON MAR 01	---	1945
1947	---	2.86 ON MAY 30	0 ON MAR 01	1 900	1946
1948	---	2.86 ON MAR 22	0B ON MAR 01	6 380	1947
1949	---	---	0 ON MAR 01	12 500	1948
1950	---	2.44 ON MAY 18	0B ON MAR 01	---	1949
1951	---	13.7 ON APR 30	0B ON MAR 01	865	1950
1952	---	50.1 B ON MAR 30 *	0B ON MAR 01	---	1951
1953	---	42.5 E ON JUN 04	0B ON MAR 01	35 600	1952
1954	---	3.57 ON OCT 16	0B ON MAR 01	33 000	1953
			0 ON OCT 06	6 830	1954
				12 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAPLE CREEK AT MENELEY'S FARM - STATION NO. 05HA019

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0.663	1.92	1.10	0.096	0.034	0.067	---	---	---	1915
1916	---	---	5.31	0.927	2.59	5.87	0.937	0.211	0.023	0.173	---	---	2.00	1916
1917	---	---	---	19.2	6.08	0.324	0.016	0.001	0.013	0.016	---	---	---	1917
1918	---	---	---	2.25	0.266	0.043	0.002	0	0	0.003	---	---	---	1918
1919	---	---	0.011	1.22	0.059	0.005	0	0	---	---	---	---	---	1919
1920	---	---	---	3.13	1.47	0.077	0.010	0	0	0	---	---	---	1920
1921	---	---	1.20	4.89	1.32	0.040	0.039	0	0.020	0.012	---	---	0.932	1921
1922	---	---	0.771	10.9	3.06	0.130	0.012	0.027	0.004	0.005	---	---	1.84	1922
1923	---	---	0.591	1.95	0.113	1.38	0.263	0.042	0.002	0.005	---	---	0.536	1923
1924	---	---	0.124	1.38	0.136	0.069	0.005	0.006	0	0	---	---	0.212	1924
1925	---	---	3.43	5.46	0.247	0.215	0.004	0	0.005	0.010	---	---	1.16	1925
1926	---	0.111	1.89	0.719	0.043	0.007	0.002	0	0	0	---	---	0.334	1926
1927	---	---	0.197	9.85	8.57	1.69	1.32	0.121	0.040	0.059	---	---	2.72	1927
1928	---	---	---	0.906	0.276	1.09	0.708	0.038	0.009	0.016	---	---	---	1928
1929	---	---	1.35	3.23	0.915	0.274	0.021	0	0	0	---	---	0.718	1929
1930	---	---	0.573	2.19	0.199	0.049	0.017	0	0.028	0.059	---	---	0.385	1930
1933	---	---	---	0.911	0.213	0.195	0.096	0	0	0	---	---	---	1933
1934	---	---	---	---	0.008	0.778	0.001	0	0	0	---	---	---	1934
1935	---	---	---	2.58	0.359	0.009	0	---	---	---	---	---	---	1935
1936	---	---	1.48	5.89	0.187	0.014	0	---	---	---	---	---	---	1936
1937	---	---	0.002	0.795	0.014	0	0.001	0	0	0	---	---	0.099	1937
1938	---	---	1.49	2.81	0.379	0.015	0.005	0	0.256	0.001	---	---	0.615	1938
1939	---	---	1.42	0.066	0.719	2.45	0.142	0	0	0.001	---	---	0.597	1939
MEAN	---	0.111	1.32	3.87	1.21	0.724	0.204	0.026	0.022	0.021	---	---	0.934	MEAN

LOCATION - LAT 49 57 36 N LONG 109 30 36 W DRAINAGE AREA, 1 230 km² REGULATED

MAPLE CREEK AT MENELEY'S FARM - STATION NO. 05HA019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	---	---	42 400	1916
1917	---	45.6 ON JUN 12	0.009 ON SEP 10	---	1917
1918	---	42.8 ON APR 10	0 ON JUL 20 *	---	1918
1919	---	---	0 ON JUL 04	---	1919
1920	---	2.80 ON APR 03	0 B ON MAR 01	---	1920
1921	---	15.5 B ON MAR 22	0 ON JUL 30	19 700	1921
1922	---	21.4 ON APR 14	0 ON JUN 30	38 900	1922
1923	---	35.1 ON APR 23	0 ON MAR 01	11 300	1923
1924	---	15.5 ON JUN 22	0 ON SEP 06	4 490	1924
1925	---	10.0 ON APR 08	0 ON JUL 09	24 600	1925
1926	---	19.0 B ON MAR 30	0 B ON MAR 01	7 070	1926
1927	---	7.90 ON MAR 18	0 ON JUN 10	57 500	1927
1928	---	56.1 ON MAY 24 *	0 B ON MAR 01	---	1928
1929	---	13.3 B ON MAR 21	0 ON SEP 07	15 200	1929
1930	---	10.1 ON APR 18	0 B ON MAR 01	8 150	1930
1933	---	12.9 ON APR 04	0 ON JUL 29	---	1933
1934	---	---	0 ON JUN 19	---	1934
1935	---	---	0 ON MAY 20	---	1935
1936	---	13.2 ON APR 17	0 ON JUN 11	---	1936
1937	---	33.1 E ON APR 12	0 B ON MAR 01	2 110	1937
1938	---	4.64 ON APR 11	0 B ON MAR 01	11 000	1938
1939	---	13.5 ON APR 11	0 B ON MAR 01	12 600	1939
		10.6 ON MAR 22	0 B ON MAR 01	19 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAPLE CREEK BELOW JUNCTION RESERVOIR - STATION NO. 05HA076

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	1.21	0.017	0.007	0.007	---	---	---	1973
1974	---	---	0.186	0.101	0.677	0.007	0.547	0.002	0.002	0.031	---	---	0.196	1974
1975	---	---	0.022	0.185	2.25	1.36	0.794	0.018	0.008	0.006	---	---	0.581	1975
1976	---	0.007	0.795	1.00	0.854	0.014	0.516	0.128	0.033	0.001	---	---	0.394	1976
1977	---	---	0.008	0.003	1.19	0.004	0.003	0.061	0.007	0.009	---	---	0.162	1977
1978	---	---	0.022	0.518	0.697	0.004	0.623	0.003	0.001	0.001	---	---	0.234	1978
1979	---	---	0.020	1.10	1.07	0.005	0.987	0.204	0.003	0.066	---	---	0.433	1979
1980	---	---	0.002	0.455	1.22	0.001	0.002	0.001	0.178	0.001	---	---	0.233	1980
1981	---	0.002	0.003	0.622	0.566	0.004	0.002	0.001	0.001	0.217	---	---	0.177	1981
1982	---	0.003	0.046	0.559	0.407	0.003	0.144	1.75	0.003	0.001	---	---	0.366	1982
1983	---	---	0.006	0.232	1.37	0.003	0.006	1.37	0.001	0.161	---	---	0.398	1983
1984	---	---	0.005	0.489	0.897	0	0	0	0.147	0.008	---	---	0.193	1984
1985	---	0	0.006	0.119	1.86	0.001	0	0	0.001	0.100	---	---	0.264	1985
1986	0.003	0.004	0.007	0.167	0.397	1.12	0.007	0.004	0.012	0.007	---	---	0.212	1986
1987	---	0.029	0.071	1.16	1.37	0.011	1.17	0.008	0.003	0.002	---	---	0.475	1987
1988	---	0	0.006	0.504	1.31	0.003	0.018	0.001	0.143	0.002	---	---	0.248	1988
1989	---	---	0.003	0.003	0.888	0.007	0	0.027	0.002	0.001	---	---	0.118	1989
1990	---	0.003	0.004	0.004	0.001	0	0	0	0	0.067	---	---	0.010	1990
MEAN	0.003	0.006	0.071	0.425	0.990	0.150	0.335	0.200	0.031	0.038	---	---	0.276	MEAN

LOCATION - LAT 49 48 52 N LONG 109 31 22 W DRAINAGE AREA, 1 240 km² REGULATED

MAPLE CREEK BELOW JUNCTION RESERVOIR - STATION NO. 05HA076

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	1.64 AT 19:49 CST ON JUL 12	1.59 ON JUL 13	0 ON SEP 24 *	4 150	1974
1975	15.2 AT 17:54 CST ON MAY 08 *	14.4 ON MAY 09 *	0B ON MAR 01	12 300	1975
1976	7.79 AT 01:42 CST ON MAR 20	3.79 ON MAR 20	0B ON MAR 01	8 330	1976
1977	1.94 AT 13:13 CST ON MAY 15	1.88 ON MAY 15	0 ON APR 25	3 430	1977
1978	2.71 AT 16:22 CST ON JUL 19	2.43 ON APR 25	0B ON MAR 01	4 960	1978
1979	5.76 AT 19:31 CST ON APR 17	2.95 ON APR 22	0B ON MAR 01	9 160	1979
1980	2.81 AT 17:32 CST ON MAY 07	2.60 ON MAY 08	0B ON MAR 01	4 940	1980
1981	3.26 AT 17:16 CST ON OCT 06	2.94 ON OCT 07	0 ON MAR 29	3 740	1981
1982	4.66 AT 14:02 CST ON AUG 10	4.54 ON AUG 11	0 ON APR 21	7 760	1982
1983	4.58 AT 02:19 CST ON AUG 12	4.23 ON AUG 12	0 ON AUG 29	8 430	1983
1984	2.46 AT 12:00 CST ON APR 24	2.29 ON APR 25	0 ON MAY 19	4 080	1984
1985	2.47 AT 09:12 CST ON MAY 23	2.43 ON MAY 22	0 ON JUN 07	5 590	1985
1986	2.59 AT 14:30 CST ON JUN 11	2.53 ON JUN 10	0 ON APR 09	4 490	1986
1987	2.51 AT 17:16 CST ON JUL 13	2.46 ON JUL 16	0 ON SEP 14	10 100	1987
1988	5.19 AT 11:21 CST ON JUL 20	2.10 ON MAY 18	0 ON APR 09	5 250	1988
1989	1.77 AT 16:59 CST ON MAY 19	1.72 ON MAY 18	0B ON MAR 01	2 490	1989
1990	0.866 AT 11:53 CST ON OCT 17	0.714 ON OCT 16	0 ON JUN 09	205	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 850	MEAN

MAPLE CREEK NEAR MAPLE CREEK - STATION NO. 05HA011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	1.51	0.780	0.051	---	---	---	---	---	---	---	1911
1912	---	---	---	1.98	0.476	0.325	0.015	0.092	0.005	0.005	---	---	---	1912
1913	---	---	---	1.50	0.114	0.015	0.012	0.004	0.003	0	---	---	---	1913
1914	---	---	---	0.578	0.074	0.006	0.006	0.035	0.024	0.461	---	---	---	1914
1915	---	---	---	0.702	0.061	0.235	0.506	0.008	0.016	0.010	---	---	---	1915
1916	---	---	---	0.330	0.365	1.47	0.098	0.023	0.012	0.016	---	---	---	1916
1917	---	---	---	5.26	1.71	0.106	0.015	0.016	0.013	0.016	---	---	---	1917
1918	---	---	---	0.863	0.205	0.033	0.005	0.007	0.005	0.004	---	---	---	1918
1919	---	---	0	0.216	0.012	0.008	0.003	0.002	0.001	0.001	---	---	0.030	1919
MEAN	---	---	0	1.44	0.422	0.250	0.083	0.023	0.010	0.064	---	---	0.030	MEAN

LOCATION - LAT 49 56 01 N LONG 109 29 06 W DRAINAGE AREA, 458 km² REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1914

MAPLE CREEK NEAR MAPLE CREEK - STATION NO. 05HA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON JUL 01 *	---	1911
1912	---	6.88 ON APR 04	0 ON AUG 05	---	1912
1913	---	6.17 ON APR 06	0 ON OCT 03	---	1913
1914	---	4.11 ON MAR 14	0.001 ON SEP 02	---	1914
1915	---	3.40 ON APR 03	0 ON APR 24	---	1915
1916	---	6.68 ON JUN 12	0.012 ON SEP 01	---	1916
1917	---	12.3 ON APR 10 *	0 ON OCT 17	---	1917
1918	---	1.61 ON APR 13	0 ON AUG 01	---	1918
1919	---	0.850 ON APR 19	0 B ON MAR 01	634	1919
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		634	MEAN

MARSHALL AND GAFF DITCH AT BATTLE CREEK - STATION NO. 11AB043

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1914	---	---	0	0	0	0	0	0	0	0	---	---	0	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	0	0	0	0.376	0.112	0.079	0.085	0.195	---	---	0.105	1918
1919	---	---	0	0.106	0.189	0.097	0.023	0.027	0.050	0.068	---	---	0.069	1919
1920	---	---	0	0.046	0.052	0.140	0.034	0	0	0	---	---	0.034	1920
1921	---	---	0	0	0	---	0.066	0	0.026	0.086	---	---	---	1921
1922	---	---	0	0	0.065	0.105	0.099	0	0	0	---	---	0.034	1922
1923	---	---	0	0	0.037	0.103	0	0	0	0	---	---	0.017	1923
1924	---	---	0	0	0.022	0.049	0.016	0.008	0	0	---	---	0.012	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0.064	0.022	0	0	0	0	---	---	0.011	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0.074	0.020	0.034	0.045	0.002	0	---	---	0.022	1929
1930	---	---	0	0.032	0.055	0.025	0.003	0	0	0	---	---	0.014	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
MEAN	---	---	0	0.011	0.033	0.059	0.023	0.009	0.010	0.020	---	---	0.020	MEAN

LOCATION - LAT 49 25 19 N
LONG 109 49 24 W REGULATED

MARSHALL AND GAFF DITCH AT BATTLE CREEK - STATION NO. 11AB043

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON AUG 25 *	---	1911
1912	---	---	0 ON MAY 30	---	1912
1914	---	0 ON MAR 01	0 ON MAR 01	0	1914
1915	---	0 ON MAR 01	0 ON MAR 01	0	1915
1916	---	0 ON MAR 01	0 ON MAR 01	0	1916
1917	---	---	0 ON JUN 11	---	1917
1918	---	0.592 ON JUN 08 *	0 ON MAR 01	2 230	1918
1919	---	0.300 ON APR 21	0 ON MAR 01	1 470	1919
1920	---	0.416 ON APR 20	0 ON MAR 01	712	1920
1921	---	---	0 ON MAR 01	---	1921
1922	---	0.442 ON MAY 17	0 ON MAR 01	713	1922
1923	---	0.266 ON JUN 22	0 ON MAR 01	367	1923
1924	---	0.227 ON JUN 07	0 ON MAR 01	251	1924
1925	---	0 ON MAR 01	0 ON MAR 01	0	1925
1926	---	0.167 ON JUN 20	0 ON MAR 01	227	1926
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0.130E ON MAY 04	0 ON MAR 01	464	1929
1930	---	0.088E ON APR 20	0 ON MAR 01	302	1930
1931	---	0 ON MAR 01	0 ON MAR 01	0	1931
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		421	MEAN

MCCARTHY BERTRAM AND SALT EAST DITCH NEAR PIAPOT - STATION NO. 05HA033

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0.194	0	0	0	0	0	0	---	---	0.024	1915
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	0	0	0.064	0	0	0	0	0	---	---	0.008	1919
1920	---	---	0	0	0.012	0.062	0	0	0	0	---	---	0.009	1920
1921	---	---	0	0	0.030	0.012	0	0	0	0	---	---	0.005	1921
MEAN	---	---	0	0.049	0.027	0.019	0	0	0	0	---	---	0.012	MEAN

LOCATION - LAT 49 56 30 N
LONG 109 06 55 W REGULATED

MCCARTHY BERTRAM AND SALT EAST DITCH NEAR PIAPOT - STATION NO. 05HA033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.459 ON APR 17 *	0 ON MAR 01 *	503	1915
1917	---	---	0R ON JUN 20	---	1917
1918	---	---	0R ON MAY 02	---	1918
1919	---	0.159 ON MAY 15	0 ON MAR 01	171	1919
1920	---	0.173 ON JUN 20	0 ON MAR 01	192	1920
1921	---	0.096 ON MAY 26	0 ON MAR 01	112	1921
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		245	MEAN

MCCARTHY BERTRAM AND SALT WEST DITCH NEAR PIAPOT - STATION NO. 05HA032

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0.124	0	0	0	0	0	0	---	---	0.015	1915
1919	---	---	0	0	0.050	0	0	0	0	0	---	---	0.006	1919
1920	---	---	0	0	0.013	0.062	0	0	0	0	---	---	0.009	1920
1921	---	---	0	0	0.023	0.009	0	0	0	0	---	---	0.004	1921
MEAN	---	---	0	0.031	0.022	0.018	0	0	0	0	---	---	0.009	MEAN

LOCATION - LAT 49 56 30 N
LONG 109 06 50 W REGULATED

MCCARTHY BERTRAM AND SALT WEST DITCH NEAR PIAPOT - STATION NO. 05HA032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.348 ON APR 10 *	0 ON MAR 01 *	321	1915
1919	---	0.144 ON MAY 17	0 ON MAR 01	134	1919
1920	---	0.193 ON JUN 20	0 ON MAR 01	197	1920
1921	---	0.076 ON MAY 22	0 ON MAR 01	84.2	1921
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		184	MEAN

MCDONALD CREEK NEAR MCCORD - STATION NO. 05JA003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	---	---	---	---	---	---	1965
1966	---	---	0.715	---	---	---	---	---	---	---	---	---	---	1966
1967	---	---	2.02	1.44	---	---	---	---	---	---	---	---	---	1967
1969	---	---	0.406	1.80	0.155	0.008	0.060	0	0	0.003	---	---	0.301	1969
1970	---	---	1.10	0.320	0.241	0.250	0.002	0.001	0.004	0	---	---	0.240	1970
1971	---	---	0.309	0.941	0.029	0	0	0	0	0	---	---	0.158	1971
1972	---	---	0.578	0.039	0.011	0.082	0	0.015	0.010	0.001	---	---	0.093	1972
1973	---	---	0.040	0.050	0.022	0.005	0	0	0	0	---	---	0.015	1973
1974	---	---	2.50	0.557	0.532	0.014	0	0.001	0	0	---	---	0.454	1974
1975	---	---	0.004	1.70	0.626	0.027	0.002	0	0	0	---	---	0.292	1975
1976	---	---	1.79	0.101	0.004	0.001	0	0.257	0	0	---	---	0.273	1976
1977	---	---	0.005	0.035	0.083	0.003	0.001	0	0	0.001	---	---	0.016	1977
1978	---	---	3.65	0.271	0.031	0.009	0.715	0.001	0.039	0.001	---	---	0.595	1978
1979	---	---	3.21	1.01	0.193	0.035	0.001	0	0.002	0.001	---	---	0.559	1979
1980	---	---	0.691	0.114	0.001	0	0	0.001	0	0	---	---	0.102	1980
1981	---	---	0.015	0.002	0	0.177	0.128	0	0	0.001	---	---	0.040	1981
1982	---	0.443	1.67	0.303	0.501	0.137	0.006	0.015	0.001	0.001	---	---	0.332	1982
1983	---	0.025	0.027	0.021	0.102	0.004	0.020	0	0	0	---	---	0.022	1983
1984	---	0.001	0.010	0.005	0	0	0	0	0	0	---	---	0.002	1984
1985	---	0.105	0.620	0.017	0	0	0	0	0	0	---	---	0.081	1985
1986	---	1.25	0.521	0.028	0.108	0	0	0	0.001	0.001	---	---	0.083	1986
1987	---	0.002	0.021	0.035	0	0	0	0.013	0	0	---	---	0.009	1987
1988	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1988
1989	---	---	1.15	0.063	0.003	0.044	0.001	0	0	0	---	---	0.160	1989
1990	---	---	0.001	0.001	0	0	0.042	0.005	0	0	---	---	0.006	1990
MEAN	---	0.304	0.877	0.385	0.120	0.036	0.044	0.014	0.003	0	---	---	0.174	MEAN

LOCATION - LAT 49 26 14 N DRAINAGE AREA, 259 km^2
LONG 106 50 05 W NATURAL FLOW

MCDONALD CREEK NEAR MCCORD - STATION NO. 05JA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	15.0 E ON APR 09	0E ON JUN 01 *	---	1965
1966	---	5.10 B ON MAR 12	0B ON MAR 01	---	1966
1967	---	14.2 B ON MAR 26	0B ON MAR 01	---	1967
1969	---	11.0 B ON APR 03	0 ON JUN 18	6 370	1969
1970	---	5.07 B ON MAR 21	0 ON JUN 04	5 090	1970
1971	12.3 B AT 13:28 CST ON MAR 31	9.23 B ON MAR 31	0B ON MAR 01	3 340	1971
1972	10.9 B AT 08:11 CST ON MAR 14	7.79 B ON MAR 14	0B ON MAR 01	1 960	1972
1973	0.544B AT 09:19 CST ON MAR 06	0.181B ON MAR 06	0 ON JUN 24	308	1973
1974	12.1 B AT 17:54 CST ON MAR 29	9.68 B ON MAR 29	0 ON JUN 18	9 610	1974
1975	19.3 AT 05:18 CST ON APR 22	13.6 ON APR 22	0B ON MAR 01	6 170	1975
1976	16.5 B AT 02:59 CST ON MAR 19	13.1 B ON MAR 18	0 ON MAY 24	5 770	1976
1977	0.665 AT 05:32 CST ON MAY 18	0.348 ON MAY 26	0 ON MAY 01	341	1977
1978	20.2 B AT 13:15 CST ON MAR 21	17.2 B ON MAR 21	0B ON MAR 01	12 600	1978
1979	44.9 B AT 17:15 CST ON MAR 17 *	35.8 B ON MAR 17 *	0B ON MAR 01	11 800	1979
1980	9.01 B AT 17:39 CST ON MAR 19	4.65 B ON MAR 19	0B ON MAR 01	2 150	1980
1981	4.82 AT 23:09 CST ON JUL 13	1.35 A ON JUN 15	0 ON APR 18	849	1981
1982	20.0 B AT 09:36 CST ON MAR 12	10.3 B ON MAR 12	0 ON AUG 07	7 020	1982
1983	0.937 AT 15:30 CST ON MAY 13	0.520 ON MAY 17	0 ON JUN 27	468	1983
1984	0.065 AT 14:48 CST ON MAR 26	0.061 ON MAR 26	0B ON MAR 08	39.9	1984
1985	7.54 B AT 21:46 CST ON MAR 12	4.07 B ON MAR 12	0 ON MAY 01	1 710	1985
1986	21.9 B AT 11:06 CST ON FEB 26	2.79 B ON MAR 01	0 ON JUN 04	1 760	1986
1987	0.571B AT 17:09 CST ON MAR 29	0.227B ON MAR 30	0B ON MAR 14	183	1987
1988	0.002B AT 11:32 CST ON MAR 21	0.002B ON MAR 21	0B ON MAR 01	3.28	1988
1989	20.7 B AT 05:52 CST ON MAR 11	12.0 B ON MAR 11	0B ON MAR 01	3 380	1989
1990	0.978 AT 07:59 CST ON JUL 28	0.630 ON JUL 28	0B ON MAR 01	130	1990
				3 680	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCDONALD TRIBUTARY NEAR TOTNES - STATION NO. 05HF015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.005	0.001	0.001	0	0	0	0	0	---	---	0.001	1968
1969	---	---	0	0.766	0.001	0	0.002	0	0	0.002	---	---	0.094	1969
1970	---	---	0	0.795	0.002	0.001	0	0	0	0	---	---	0.098	1970
1971	---	---	0	0.367	0.002	0	0.001	0	0	0	---	---	0.045	1971
1972	---	---	0.005	0.007	0	0	0	0	0	0	---	---	0.002	1972
1973	---	---	0.015	0.004	0.001	0	0	0	0	0	---	---	0.002	1973
1974	---	---	0	0.523	0.022	0.025	0.004	0.078	0.001	0.001	---	---	0.080	1974
1975	---	---	0	0.674	0.026	0.001	0	0	0	0	---	---	0.086	1975
1976	---	---	0.033	0.229	0.001	0	0.001	0	0	0	---	---	0.033	1976
1977	---	---	0.001	0.002	0.041	0	0	0	0	0	---	---	0.006	1977
1978	---	---	0.021	0.066	0.003	0	0	0	0	0	---	---	0.011	1978
1979	---	---	0.004	0.022	0.001	0.002	0	0	0	0	---	---	0.004	1979
1980	---	---	0.008	0.003	0	0	0	0.003	0	0	---	---	0.002	1980
1981	---	0.001	0.007	0.003	0.001	0.001	0.003	0	0	0	---	---	0.002	1981
1982	---	---	0	0.226	0.008	0.003	0.031	0	0	0	---	---	0.033	1982
1983	---	0.001	0.069	0.036	0.004	0	0.003	0	0	0	---	---	0.014	1983
1984	---	---	0.005	0.005	0.001	0.004	0	0	0	0	---	---	0.002	1984
1985	---	---	0.024	0.470	0.002	0	0	0	0	0	---	---	0.061	1985
1986	---	0	0.005	0.001	0.011	0	0	0	0	0	---	---	0.002	1986
1987	---	---	0.009	0.006	0	0	0	0	0	0	---	---	0.002	1987
1988	---	---	0.001	0.001	0	0	0	0.020	0	0	---	---	0.003	1988
1989	---	---	0.003	0.031	0.002	0.002	0	0	0	0	---	---	0.005	1989
1990	---	---	0.014	0.003	0.002	0	0.004	0	0	0	---	---	0.003	1990
MEAN	---	0.001	0.010	0.184	0.006	0.002	0.002	0.004	0	0	---	---	0.026	MEAN

LOCATION - LAT 51 20 04 N
LONG 106 26 56 W
DRAINAGE AREA 46.1 km^2
REGULATED SINCE 1967

MCDONALD TRIBUTARY NEAR TOTNES - STATION NO. 05HF015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	0.020B AT 01:30 CST ON MAR 06	0.017B ON MAR 03	0B ON MAR 19 *	19.7	1968
1969	9.54 AT 17:30 CST ON APR 12	6.71 ON APR 13 *	0B ON MAR 01	2 000	1969
1970	7.25 B AT 19:00 CST ON APR 10	5.86 B ON APR 11	0B ON MAR 01	2 070	1970
1971	2.59 AT 12:08 CST ON APR 11	1.64 ON APR 12	0B ON MAR 01	960	1971
1972	0.552B AT 09:00 CST ON APR 02	0.136B ON APR 02	0B ON MAR 01	34.3	1972
1973	---	0.079A ON MAR 20	0 ON MAR 01	51.6	1973
1974	4.81 AT 02:15 CST ON APR 19	4.47 ON APR 19	0B ON MAR 01	1 700	1974
1975	4.90 AT 16:50 CST ON APR 20	4.36 ON APR 20	0B ON MAR 01	1 820	1975
1976	3.43 AT 10:04 CST ON APR 07	1.93 ON APR 07	0B ON MAR 01	680	1976
1977	0.855 AT 22:15 CST ON MAY 19	0.360 ON MAY 19	0 ON MAR 01	118	1977
1978	0.631B AT 15:30 CST ON MAR 30	0.362B ON MAR 30	0B ON MAR 01	235	1978
1979	0.589A AT 06:07 CST ON APR 19	0.298A ON APR 19	0B ON MAR 01	75.2	1979
1980	0.420 AT 22:30 CST ON AUG 15	0.070B ON MAR 28	0B ON MAR 01	37.2	1980
1981	0.209 AT 03:30 CST ON JUL 22	0.079 ON JUL 22	0 ON MAR 23	38.4	1981
1982	11.0 AT 19:22 CST ON JUL 02 *	1.18 ON APR 17	0B ON MAR 01	698	1982
1983	0.597B AT 09:11 CST ON MAR 30	0.511B ON MAR 30	0B ON MAR 01	294	1983
1984	0.068 AT 04:15 CST ON JUN 22	0.037 ON JUN 22	0B ON MAR 01	41.3	1984
1985	3.03 AT 04:16 CST ON APR 09	1.98 ON APR 09	0B ON MAR 01	1 290	1985
1986	0.260 AT 06:26 CST ON MAY 22	0.131 ON MAY 22	0B ON MAR 05	45.0	1986
1987	0.185B AT 09:07 CST ON MAR 26	0.107B ON MAR 26	0B ON MAR 01	37.7	1987
1988	1.63 AT 15:31 CST ON AUG 16	0.346 ON AUG 16	0 ON MAR 01	60.7	1988
1989	0.279 AT 19:01 CST ON APR 02	0.201B ON APR 02	0B ON MAR 01	98.4	1989
1990	0.330B AT 09:30 CST ON MAR 07	0.095B ON MAR 07	0B ON MAR 01	63.5	1990
				542	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCEACHERN CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	0.692	0.122	0.078	0.024	0	0	0.262	---	---	---	1924
1925	---	---	4.96	3.23	0.038	0.504	0.003	0	0.001	0.011	---	---	1.09	1925
1926	---	---	7.60	0.021	0.011	0.433	0.002	0	0	0	---	---	1.02	1926
1927	---	---	0.084	10.9	1.92	0.615	0.128	0.001	0	0.001	---	---	1.69	1927
1928	---	---	4.34	0.262	0.015	0.928	0.495	0.007	0	0	---	---	0.760	1928
1929	---	---	0.316	0.137	0.005	0.002	0	0	0	0	---	---	0.058	1929
1930	---	---	2.42	1.80	0.010	0.002	0	0	0	0	---	---	0.528	1930
1931	---	---	0.007	0.009	0.006	0.051	0.096	0	0	0	---	---	0.021	1931
1932	---	---	0.413	0.155	0.004	0.020	0	0.005	0	0	---	---	0.075	1932
1933	---	---	0.483	0.007	0.002	0	0	0.815	0.020	0.003	---	---	0.168	1933
1934	---	---	1.04	0.671	0.001	0	0	0	0	0	---	---	0.214	1934
1935	---	---	0.021	0.486	0.006	0	0	0	0	0	---	---	0.063	1935
1936	---	---	0	1.41	0.023	0	0	0	0	0	---	---	0.176	1936
1937	---	---	0	0.170	0	0	0	0	0	0	---	---	0.021	1937
1938	---	---	1.59	0.536	0.003	0.354	0.915	0	0	0	---	---	0.427	1938
1939	---	---	7.50	0.120	1.13	2.19	0.012	0.001	0	0	---	---	1.38	1939
1940	---	---	0	2.60	0.178	0.701	0.004	0.001	0	0	---	---	0.427	1940
1941	---	---	1.52	0.011	0.002	0.003	0.002	0	0	0	---	---	0.194	1941
1942	---	---	0.908	0.367	0.006	0.424	0.056	0.091	0.002	0.003	---	---	0.232	1942
1943	---	---	7.36	0.999	0.003	0.391	0.005	0	0	0	---	---	1.10	1943
1944	---	---	0.459	0.896	0.005	0.018	0	0	0	0	---	---	0.171	1944
1945	---	---	0.619	0.006	0.003	0.001	0	0	0	0	---	---	0.079	1945
1946	---	---	1.39	0.021	0.005	0.002	0	0	0	0	---	---	0.179	1946
1947	---	---	0.972	2.62	0.012	0.003	0	0	0	0	---	---	0.445	1947
1948	---	---	0.161	1.65	0.007	0.003	0.001	0	0	0	---	---	0.224	1948
1949	---	---	0.055	0.330	0	0	0	0	0	0	---	---	0.047	1949
1950	---	---	0	5.93	0.113	0.101	0.006	0	0	0	---	---	0.754	1950
1951	---	---	0	5.06	0.498	0.003	0.001	0	0	0	---	---	0.683	1951
1952	---	---	0	15.5	0.022	0.003	0.072	0.001	0	0	---	---	1.92	1952
1953	---	---	0.038	0.283	1.07	1.49	0.076	0	0	0	---	---	0.367	1953
1954	---	---	0.126	5.51	0.038	0.392	0.001	0.147	0	0	---	---	0.762	1954
1955	---	---	0.096	4.23	0.878	0.010	0	0	0	0	---	---	0.643	1955
1956	---	---	0.333	0.478	0.009	0.001	0	0	0	0	---	---	0.102	1956
1957	---	---	0.009	0.015	0	0	0	0	0	0	---	---	0.003	1957
1958	---	---	1.36	0.757	0.001	0	0	0	0	0	---	---	0.265	1958
1959	---	---	1.28	0.392	0.001	0	0	0	0	0	---	---	0.210	1959
1960	---	---	4.56	0.267	0.002	0	0	0	0	0	---	---	0.610	1960
1961	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.167	0.725	0	0.398	1.26	0.002	0	0	---	---	0.318	1962
1963	---	0.125	1.27	0.021	0.002	0.978	0.083	0	0	0	---	---	0.294	1963
1964	---	---	0	0	0.001	0.002	0	0	0	0	---	---	0	1964
1965	---	---	0	1.82	1.65	0.855	0.012	0	0	0	---	---	0.539	1965
1966	---	---	1.16	0.039	0.009	0	0	0	0	0	---	---	0.153	1966
1967	---	---	0	6.05	1.22	0.014	0	0	0	0	---	---	0.897	1967
1968	---	---	1.25	0.015	0.003	0	0	0	0	0	---	---	0.160	1968
1969	---	---	0	7.52	0.409	0.001	0.203	0	0	0	---	---	0.998	1969
1970	---	---	0.015	3.19	1.05	0.234	0.002	0	0	0	---	---	0.554	1970
1971	---	---	0	1.73	0.040	0.003	0	0	0	0	---	---	0.217	1971
1972	---	---	1.65	0.050	0.002	0.455	0	0	0	0	---	---	0.271	1972
1973	---	---	0.474	0	0	0	0	0	0	0	---	---	0.060	1973
1974	---	---	1.18	4.71	0.707	0.033	0.006	0.058	0	0	---	---	0.828	1974
1975	---	---	0.002	2.89	1.49	0.007	0.001	0.135	0.001	0.005	---	---	0.561	1975
1976	---	---	6.91	0.701	0.008	0.012	0.024	0.001	0	0	---	---	0.965	1976
MEAN	---	0.125	1.27	1.85	0.240	0.221	0.066	0.024	0	0.005	---	---	0.460	MEAN

LOCATION - LAT 48 59 30 N DRAINAGE AREA, 443 km² INTERNATIONAL GAUGING STATION
LONG 106 55 40 W NATURAL FLOW

McEACHERN CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	3.82 E ON APR 03	0 ON JUN 21 *	---	1924
1925	62.6 ON MAR 29	41.3 ON MAR 29	0B ON MAR 01	23 100	1925
1926	---	26.9 ON MAR 17	0 ON JUL 19	21 600	1926
1927	90.3 AT 15:00 MST ON APR 09	59.2 ON APR 09	0B ON MAR 01	35 700	1927
1928	---	28.3 B ON MAR 21	0B ON MAR 01	16 100	1928
1929	---	1.78 B ON MAR 30	0 ON MAR 01	1 220	1929
1930	---	11.2 B ON MAR 23	0B ON MAR 01	11 200	1930
1931	20.7 AT 22:00 MST ON JUN 30	4.10 ON JUL 01	0 ON MAY 28	4 443	1931
1932	---	3.34 B ON MAR 26	0B ON MAR 04	1 580	1932
1933	20.9 AT 09:00 MST ON AUG 22	18.0 ON AUG 22	0B ON MAR 01	5 560	1933
1934	---	7.42 ON APR 02	0 ON MAY 14	4 530	1934
1935	---	5.95 ON APR 17	0 ON MAR 01	1 330	1935
1936	19.8 AT 16:00 MST ON APR 12	16.4 ON APR 12	0 ON MAR 01	3 720	1936
1937	1.12 AT 11:30 MST ON APR 11	1.06 ON APR 10	0 ON MAR 01	441	1937
1938	26.4 AT 15:00 MST ON MAR 17	12.1 ON MAR 17	0 ON MAR 01	9 030	1938
1939	106 AT 01:00 MST ON MAR 23	90.6 ON MAR 23	0 ON MAR 01	29 100	1939
1940	16.2 AT 19:30 MST ON APR 18	14.0 ON APR 18	0 ON MAR 01	9 040	1940
1941	---	9.63 B ON MAR 22	0 ON MAR 01	4 120	1941
1942	15.9 AT 14:45 MST ON JUN 29	9.00 ON JUN 29	0 ON MAR 01	4 900	1942
1943	97.4 AT 06:00 MST ON MAR 29	75.6 ON MAR 29	0 ON MAR 01	23 300	1943
1944	28.9 AT 13:00 MST ON APR 01	12.2 ON APR 01	0B ON MAR 01	3 610	1944
1945	6.00 AT 16:30 MST ON MAR 13	4.45 ON MAR 13	0 ON MAR 01	1 680	1945
1946	5.47 AT 17:30 MST ON MAR 20	5.18 ON MAR 20	0B ON MAR 01	3 790	1946
1947	9.63 AT 08:35 MST ON APR 03	8.69 ON APR 03	0 ON MAR 01	9 430	1947
1948	8.83 AT 13:30 MST ON APR 16	7.90 ON APR 16	0 ON MAR 01	4 730	1948
1949	2.10 AT 08:50 MST ON APR 03	1.93 ON APR 03	0 ON MAR 01	1 000	1949
1950	94.9 B AT 12:00 MST ON APR 16	51.8 ON APR 17	0 ON MAR 01	16 000	1950
1951	19.7 AT 10:00 MST ON APR 26	17.3 ON APR 26	0B ON MAR 01	14 500	1951
1952	200 AT 01:00 MST ON APR 15 *	112 ON APR 14 *	0 ON MAR 01	40 600	1952
1953	30.3 AT 11:00 MST ON JUN 03	18.5 ON JUN 03	0B ON MAR 01	7 770	1953
1954	140 AT 16:00 MST ON APR 06	92.3 B ON APR 06	0B ON MAR 01	16 100	1954
1955	36.0 B AT 10:00 MST ON APR 02	26.3 B ON APR 02	0B ON MAR 01	13 600	1955
1956	5.10 B AT 11:45 MST ON MAR 27	3.96 B ON MAR 27	0 ON MAR 01	2 150	1956
1957	0.108 AT 21:00 MST ON APR 01	0.105 ON APR 01	0 ON MAR 01	63.8	1957
1958	---	21.1 ON MAR 21	0 ON MAR 01	5 620	1958
1959	11.2 AT 17:20 MST ON MAR 27	8.64 ON MAR 28	0 ON MAR 01	4 450	1959
1960	46.4 AT 02:00 MST ON MAR 27	30.0 ON MAR 27	0 ON MAR 01	12 900	1960
1961	0.037 AT 06:00 MST ON MAR 22	0.025 ON MAR 22	0 ON MAR 01	2.85	1961
1962	22.6 AT 23:00 MST ON JUL 14	17.3 ON JUL 15	0 ON MAR 01	6 740	1962
1963	25.9 AT 04:00 MST ON JUN 22	16.7 ON JUN 22	0 ON MAY 18	6 220	1963
1964	0.040 AT 04:00 MST ON JUN 22	0.031 ON JUN 22	0 ON MAR 01	6.74	1964
1965	33.7 AT 02:00 MST ON MAY 07	27.2 ON MAY 07	0B ON MAR 01	11 400	1965
1966	14.5 AT 16:00 MST ON MAR 16	12.0 ON MAR 16	0 ON MAR 01	3 240	1966
1967	49.6 AT 02:00 MST ON APR 12	37.7 ON APR 12	0B ON MAR 01	19 000	1967
1968	7.31 B AT 21:00 MST ON MAR 02	5.01 B ON MAR 06	0 ON MAY 22	3 390	1968
1969	107 A AT 21:00 MST ON APR 06	62.9 A ON APR 07	0B ON MAR 01	21 100	1969
1970	48.7 AT 10:00 MST ON APR 07	29.2 ON APR 07	0 ON MAR 01	11 700	1970
1971	7.87 B AT 19:00 CST ON APR 11	6.31 B ON APR 11	0 ON MAR 01	4 590	1971
1972	18.3 B AT 01:00 MST ON MAR 19	13.7 B ON MAR 19	0B ON MAR 01	5 730	1972
1973	7.08 AT 10:00 MST ON MAR 14	5.78 ON MAR 14	0 ON MAR 01	1 270	1973
1974	34.0 B AT 03:00 CST ON MAR 31	29.2 B ON MAR 31	0 ON MAR 01	17 500	1974
1975	30.9 AT 03:30 CST ON MAY 07	17.4 ON MAY 07	0B ON MAR 01	11 900	1975
1976	69.1 B AT 04:00 CST ON MAR 20	59.7 B ON MAR 20	0B ON MAR 02	20 400	1976
				9 730	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

McEACHERN CREEK AT McCOY'S RANCH - STATION NO. 11AE001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.006	0.001	0	0	0	0	---	---	---	1914
1915	---	---	---	0.103	0.068	0.056	0.009	0.001	0	0	---	---	---	1915
1916	---	---	---	7.70	0.611	0.183	0.443	0.003	0	0	---	---	---	1916
1917	---	---	---	---	0.324	0.010	0	0	0	0	---	---	---	1917
1918	---	---	---	3.47	0.111	0	0	0.045	0.003	0	---	---	---	1918
1919	---	---	0.007	1.88	0.011	0	0	0	0	0	---	---	0.232	1919
1920	---	---	1.10	0.400	0.002	0	0	0	0	0	---	---	0.189	1920
1921	---	---	0.645	0.100	0.015	0.134	0.471	0	0	0	---	---	0.172	1921
1922	---	---	0	4.94	0.644	0.135	0.020	0	0	0	---	---	0.705	1922
1923	---	---	0	1.46	0.004	1.81	0.397	0.006	0	0	---	---	0.452	1923
MEAN	---	---	0.350	2.51	0.180	0.233	0.134	0.006	0	0	---	---	0.350	MEAN

LOCATION - LAT 49 00 10 N, LONG 106 56 20 W
DRAINAGE AREA, 316 km²
NATURAL FLOW

MCEACHERN CREEK AT MCCOY'S RANCH - STATION NO. 11AE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON MAY 30 *	---	1914
1915	---	---	0 ON MAY 09	---	1915
1916	---	---	0 ON AUG 10	---	1916
1917	---	31.1 ON APR 12	0 ON JUL 10	---	1917
1918	---	---	0 ON JUN 07	---	1918
1919	---	17.1 ON APR 03	0 ON MAR 01	4 910	1919
1920	---	9.94 ON APR 02	0B ON MAR 01	4 000	1920
1921	---	12.5 B ON MAR 23	0 ON JUN 01	3 640	1921
1922	---	6.12 ON JUL 11	0 ON MAR 01	14 900	1922
1923	---	40.5 ON APR 05 *	0 ON MAR 01	9 570	1923
		18.8 ON JUN 22		7 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCKINNON DITCH NEAR CONSUL - STATION NO. 11AB044

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	0	0	0	0	0	0	0	0	---	---	0	1912
1913	---	---	0	0	0	0	0	0	0	0	---	---	0	1913
1914	---	---	0	0	0	0	0	0	0	0	---	---	0	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	---	---	---	---	---	---	---	---	1917
1918	---	---	0	---	0	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0	0.042	0.047	0.078	0.012	0	0	0	---	---	0.022	1920
1921	---	---	0	---	---	---	---	0	0	0	---	---	---	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0.083	0.004	0	0	0	0	---	---	0.011	1923
1924	---	---	0	0	0.024	0.087	0.010	0	0	0	---	---	0.015	1924
1925	---	---	0	0	0.090	0.107	0.005	0	0	0	---	---	0.025	1925
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0.004	0	0	0	---	---	0.001	1929
1930	---	---	0	0.066	0.120	0.078	0.007	0	0	0	---	---	0.034	1930
1931	---	---	0	0.058	0.138	0.033	0	0	0	0	---	---	0.029	1931
1941	---	---	0	0.204	0.120	0.050	0	0	0	0	---	---	0.046	1941
1942	---	---	0	0.014	0.217	0.025	0	0	0	0	---	---	0.032	1942
1943	---	---	---	---	---	---	---	---	---	---	---	---	---	1943
1944	---	---	---	---	---	---	---	---	---	---	---	---	---	1944
1946	---	---	0.001	0	0	0.065	0.085	0.040	0	0.105	---	---	0.037	1946
1947	---	---	0	0.025	0.077	0.170	0.219	0	0	0	---	---	0.061	1947
1948	---	---	0	0	0	0.155	0.407	0.064	0	0	---	---	0.079	1948
1949	---	---	0	0.214	0.291	0.248	0.121	0.045	0	0	---	---	0.115	1949
1950	---	---	0	0.012	0.202	0.146	0.240	0.138	0	0	---	---	0.093	1950
1951	---	---	0	0	0.037	0.016	0.144	0.174	0	0	---	---	0.047	1951
1952	---	---	0	0	0	0.116	0.445	0.124	0.004	0	---	---	0.087	1952
1953	---	---	0	0.017	0.035	0	0.233	0.185	0.024	0	---	---	0.062	1953
1954	---	---	0	0	0.008	0.168	0.281	0.119	0	0	---	---	0.072	1954
1955	---	---	0	0.002	0.004	0.333	0.012	0.028	0	0.007	---	---	0.048	1955
1956	---	---	0	0	0.006	0.370	0.122	0.131	0	0.021	---	---	0.081	1956
1957	---	---	0	0	0.213	0.281	0.200	0.165	0.006	0	---	---	0.108	1957
1958	---	---	0.001	0.035	0.266	0.478	0.250	0.187	0.002	0	---	---	0.153	1958
1959	---	---	0	0.045	0.147	0.480	0.133	0.344	0	0.005	---	---	0.144	1959
1960	---	---	0	0	0.016	0.599	0.274	0.196	0	0.058	---	---	0.142	1960
1961	---	---	0	0.078	0.262	0.276	0.511	0.022	0	0.007	---	---	0.145	1961
1962	---	---	0	0.025	0.422	0.088	0.003	0	0	0.012	---	---	0.069	1962
1963	---	---	0	0.049	0.520	0.053	0	0	0	0	---	---	0.078	1963
1964	---	---	0	0	0.275	0.316	0.059	0.001	0	0	---	---	0.081	1964
1965	---	---	0	0	0.274	0.300	0	0.187	0	0	---	---	0.095	1965
1966	---	---	0	0	0.211	0.398	0.177	0.091	0	0	---	---	0.109	1966
1967	---	---	0	0	0	0.526	0.235	0.189	0	0	---	---	0.118	1967
1968	---	---	0	0	0.623	0.002	0.398	0.059	0	0	---	---	0.137	1968
1969	---	---	0	0	0.272	0.246	0.345	0.234	0	0	---	---	0.138	1969
1970	---	---	0	0	0.513	0.224	0.379	0.006	0	0	---	---	0.141	1970
1971	---	---	0	0	0.480	0.006	0.402	0.165	0	0	---	---	0.143	1971
1972	---	---	0	0	0.539	0	0.536	0.036	0	0	---	---	0.141	1972
1973	---	---	0	0	0.542	0	0.410	0.156	0	0	---	---	0.140	1973
1974	---	---	0	0	0	0.581	0.360	0.004	0	0	---	---	0.117	1974
1975	---	---	0	0	0	0.534	0.336	0.117	0	0	---	---	0.123	1975
1976	---	---	0	0	0.463	0.120	0.348	0	0	0	---	---	0.117	1976
1977	---	---	0	0	0.667	0	0.474	0.002	0	0	---	---	0.144	1977
1978	---	---	0	0	0.021	0.464	0	0	0	0	---	---	0.060	1978
1979	---	---	0	0	0.055	0.464	0.275	0	0	0	---	---	0.099	1979
1980	---	---	0	0	0.579	0.005	0.361	0	0	0	---	---	0.120	1980
1981	---	---	0	0.098	0.430	0	0	0	0	0	---	---	0.066	1981
1982	---	---	0	0	0	0.402	0	0	0	0	---	---	0.049	1982
1983	---	---	0	0	0.549	0	0	0	0	0	---	---	0.069	1983
1984	---	---	0	0	0.324	0	0	0	0	0	---	---	0.041	1984
1985	---	---	0	0	0.198	0.492	0	0	0	0	---	---	0.085	1985
1986	---	---	0	0	0.442	0.076	0	0	0	0	---	---	0.065	1986
1987	---	---	0	0	0.461	0.013	0	0	0	0	---	---	0.060	1987
1988	---	---	0	0	0.596	0	0	0	0	0	---	---	0.075	1988
1989	---	---	0	0	0.577	0	0	0	0	0	---	---	0.073	1989
1990	---	---	0	0	0.458	0	0	0	0	0	---	---	0.058	1990
MEAN	---	---	0	0.016	0.202	0.156	0.143	0.051	0.001	0.003	---	---	0.073	MEAN

LOCATION - LAT 49 20 00 N
LONG 109 29 40 W REGULATED

INTERNATIONAL GAUGING STATION

MCKINNON DITCH NEAR CONSUL - STATION NO. 11AB044

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON OCT 20 *	---	1911
1912	---	0 ON MAR 01	0 ON MAR 01	0	1912
1913	---	0 ON MAR 01	0 ON MAR 01	0	1913
1914	---	0 ON MAR 01	0 ON MAR 01	0	1914
1915	---	0 ON MAR 01	0 ON MAR 01	0	1915
1916	---	0 ON MAR 01	0 ON MAR 01	0	1916
1917	---	---	0 ON MAR 01	---	1917
1918	---	---	0 ON MAR 01	---	1918
1919	---	---	0 ON JUL 18	---	1919
1920	---	0.331 ON APR 29	0 ON MAR 01	466	1920
1921	---	---	0E ON MAR 01	---	1921
1922	---	0 ON MAR 01	0 ON MAR 01	0	1922
1923	---	0.178 ON MAY 11	0 ON MAR 01	233	1923
1924	---	0.184 ON JUN 11	0 ON MAR 01	314	1924
1925	---	0.229 ON MAY 18	0 ON MAR 01	530	1925
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0.025 ON JUL 05	0 ON MAR 01	10.8	1929
1930	---	0.184 ON APR 06	0 ON MAR 01	712	1930
1931	---	0.258 ON MAY 03	0 ON MAR 01	606	1931
1941	---	0.306 ON APR 11	0 ON MAR 01	982	1941
1942	---	0.348 ON APR 30	0 ON MAR 01	681	1942
1943	---	---	0 ON MAY 20	---	1943
1944	---	---	0 ON JUL 24	---	1944
1946	---	0.105E ON OCT 01	0E ON APR 01	787	1946
1947	---	0.379 ON MAY 16	0 ON MAR 01	1 300	1947
1948	---	0.541 ON JUL 21	0 ON MAR 01	1 660	1948
1949	---	0.640 ON APR 15	0 ON MAR 01	2 420	1949
1950	---	0.804 ON AUG 03	0 ON MAR 01	1 960	1950
1951	---	0.504 ON MAY 04	0 ON MAR 01	994	1951
1952	---	1.78 ON JUL 25	0 ON MAR 01	1 840	1952
1953	---	0.530 ON AUG 07	0 ON MAR 01	1 320	1953
1954	---	0.668 ON JUL 24	0 ON MAR 01	1 530	1954
1955	---	0.580 ON JUN 20	0 ON MAR 01	1 010	1955
1956	---	0.605 ON JUN 19	0 ON MAR 01	1 710	1956
1957	---	0.555 ON JUN 04	0 ON MAR 01	2 290	1957
1958	---	0.940 ON JUN 01	0E ON MAR 01	3 230	1958
1959	---	0.821 ON JUN 08	0 ON MAR 01	3 050	1959
1960	---	0.980 ON JUN 07	0 ON MAR 01	3 010	1960
1961	---	0.881 ON JUL 29	0 ON MAR 01	3 070	1961
1962	---	0.799 ON MAY 25	0 ON MAR 01	1 460	1962
1963	---	0.629 ON MAY 25	0 ON MAR 01	1 660	1963
1964	---	0.578 ON JUN 29	0 ON MAR 01	1 720	1964
1965	---	0.977 ON JUN 05	0 ON MAR 01	2 010	1965
1966	---	1.13 ON MAY 30	0 ON MAR 01	2 310	1966
1967	---	0.889 ON JUN 08	0 ON MAR 01	2 500	1967
1968	---	0.968 ON MAY 20	0 ON MAR 01	2 900	1968
1969	---	1.29 ON JUL 29	0 ON MAR 01	2 920	1969
1970	---	1.48 ON JUL 24	0 ON MAR 01	2 980	1970
1971	---	1.41 ON JUL 30	0 ON MAR 01	3 030	1971
1972	---	1.44 ON JUL 20	0 ON MAR 01	2 980	1972
1973	---	1.21 ON MAY 27	0 ON MAR 01	2 970	1973
1974	---	1.45 ON JUN 19	0 ON MAR 01	2 480	1974
1975	---	1.93 ON JUN 18 *	0E ON MAR 01	2 590	1975
1976	---	1.29 ON MAY 25	0 ON MAR 01	2 480	1976
1977	---	1.78 ON MAY 19	0 ON MAR 01	3 060	1977
1978	---	1.21 ON JUN 11	0 ON MAR 01	1 260	1978
1979	---	1.26 ON JUN 02	0 ON MAR 01	2 090	1979
1980	---	1.38 ON MAY 23	0 ON MAR 01	2 530	1980
1981	---	1.32 ON MAY 06	0 ON MAR 01	1 410	1981
1982	---	1.55 ON JUN 14	0 ON MAR 01	1 040	1982
1983	---	1.45 ON MAY 08	0 ON MAR 01	1 470	1983
1984	---	0.901 ON MAY 17	0 ON MAR 01	869	1984
1985	---	1.41 ON JUN 13	0 ON MAR 01	1 810	1985
1986	---	1.31 ON MAY 28	0 ON MAR 01	1 380	1986
1987	---	1.57 ON MAY 25	0 ON MAR 01	1 270	1987
1988	---	1.65 ON MAY 13	0 ON MAR 01	1 600	1988
1989	---	1.03 ON MAY 18	0 ON MAR 01	1 550	1989
1990	---	1.15 ON MAY 24	0 ON MAR 01	1 230	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 540	MEAN

MCRAE COULEE AT INTERNATIONAL BOUNDARY - STATION NO. 11AB070

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0.551	0.355	0.844	0.050	0.013	0	0	0	---	---	---	1927
1928	---	---	0.028	0.518	0	0	0	0	0	0	---	---	---	1928
1929	---	---	0	0	0	0	0	0	0	0	0	0	---	1929
1930	0	0.057	0.752	0.095	0	0	0	0	0	0	0	0	0.076	1930
1931	0	0	0	0	0	0.034	0.007	0	0	0	0	0	0.003	1931
1932	0	0	0.017	0.002	0	0	0	0	0	0	0	0	0.002	1932
1933	0	0	0	0	0	0.001	0	0.002	0.004	0	0	0	0.001	1933
1934	0	0.036	0.262	0.017	0	0	0	0	0	0	0	0	0.026	1934
1935	0	0	0.228	0.140	0	0	0.071	0	0	0	0	0	0.037	1935
1936	0	0	0	0.535	0	0	0	0	0	0	0	0	0.044	1936
1937	0	0	0.007	0.383	0	0	0	0	0	0	0	0	0.032	1937
1938	---	---	0.359	0.051	0.004	0.002	0	0	0	0	---	---	---	1938
1939	---	---	0.525	0	0	0	0	0	0	0	---	---	---	1939
1940	---	---	0	1.25	0.029	0	0	0	0	0	---	---	---	1940
1941	---	---	0.866	0	0	0	0	0	0	0	---	---	---	1941
1942	---	---	0.015	0.002	0	0.061	0	0	0	0	---	---	---	1942
1943	---	---	1.99	0.047	0	0	0	0	0	0	---	---	---	1943
1944	---	---	0.003	0	0	0.002	0.347	0	0	0	---	---	---	1944
1945	---	---	0.243	0	0	0	0	0	0	0	---	---	---	1945
1946	---	---	0.164	0	0	0	0	0	0	0	---	---	---	1946
1947	---	---	0.557	0.121	0	0	0	0	0	0	0	0	---	1947
1948	0	0	0	0	0	0	0	0	0	0	0	0	0	1948
1949	0	0	0	0	0	0	0	0	0	0	---	---	---	1949
1950	---	---	0	0.846	0	0	0	0	0	0	---	---	---	1950
1951	---	---	0	0.550	0.002	0	0	0.001	0.001	0	---	---	---	1951
MEAN	0	0.009	0.263	0.196	0.035	0.006	0.018	0	0	0	0	0	0.025	MEAN

LOCATION - LAT 49 01 00 N LONG 109 43 10 W DRAINAGE AREA, 157 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE FOR 1952 WAS 32.8 M3/S ON APR 07

MCRAE COULEE AT INTERNATIONAL BOUNDARY - STATION NO. 11AB070

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	10.7 ON MAY 23	0 ON MAR 01 *	---	1927
1928	4.70 AT 17:00 MST ON APR 02	3.23 B ON APR 03	0 ON MAR 01	---	1928
1929	0 AT 00:00 MST ON MAR 01	0 ON MAR 01	0 ON MAR 01	---	1929
1930	4.87 B ON MAR 26	3.94 B ON MAR 26	0 ON JAN 01	2 400	1930
1931	4.25 ON JUN 30	1.02 ON JUN 30	0 ON JAN 01	106	1931
1932	0.360B AT 20:00 MST ON MAR 24	0.088B ON MAR 25	0 ON JAN 01	50.3	1932
1933	0.113 AT 11:00 MST ON JUN 29	0.074 ON AUG 22	0 ON JAN 01	17.7	1933
1934	---	0.708B ON MAR 01	0 ON JAN 01	835	1934
1935	10.2 AT 19:00 MST ON JUL 21	2.18 B ON MAR 24	0 ON JAN 01	1 170	1935
1936	16.7 AT 23:00 MST ON APR 12	7.90 ON APR 12	0 ON JAN 01	1 390	1936
1937	6.12 AT 23:30 MST ON APR 07	4.05 ON APR 08	0 ON JAN 01	1 010	1937
1938	10.7 AT 01:00 MST ON MAR 27	4.36 ON MAR 27	0 ON MAR 01	---	1938
1939	9.91 AT 23:30 MST ON MAR 23	5.44 ON MAR 23	0 ON MAR 01	---	1939
1940	17.6 AT 23:00 MST ON APR 19	11.4 ON APR 19	0 ON MAR 01	---	1940
1941	14.5 B AT 22:00 MST ON MAR 21	8.58 B ON MAR 21	0B ON MAR 01	---	1941
1942	1.16 AT 21:30 MST ON JUN 06	0.564 ON JUN 07	0 ON MAR 01	---	1942
1943	27.6 ON MAR 29 *	25.0 ON MAR 29 *	0 ON MAR 01	---	1943
1944	23.4 AT 11:30 MST ON JUL 05	8.04 ON JUL 05	0 ON MAR 01	---	1944
1945	3.57 AT 21:00 MST ON MAR 19	2.32 ON MAR 20	0 ON MAR 01	---	1945
1946	1.61 AT 21:00 MST ON MAR 11	1.15 ON MAR 11	0 ON MAR 01	---	1946
1947	10.5 AT 22:00 MST ON MAR 30	7.05 ON MAR 30	0B ON MAR 01	---	1947
1948	0 AT 00:00 MST ON MAR 01	0 ON JAN 01	0 ON JAN 01	0	1948
1949	0 AT 00:00 MST ON MAR 01	0 ON JAN 01	0 ON JAN 01	---	1949
1950	13.5 AT 12:45 MST ON APR 07	6.03 ON APR 13	0 ON MAR 01	---	1950
1951	---	4.81 B ON APR 10	0 ON MAR 01	---	1951
				775	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCSHANE CREEK AT SMALL'S RANCH - STATION NO. 05HA010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	0.161	---	0.009	0	0	0	---	---	---	1909
1910	---	---	---	---	---	---	---	---	---	---	---	---	---	1910
1911	---	---	---	0.051	0.019	0.003	0.015	0.003	0.031	0.006	---	---	---	1911
1912	---	---	---	0.141	0.064	0.021	0	0.004	0	0	---	---	---	1912
1913	---	---	---	---	0.033	0.004	0.005	---	---	---	---	---	---	1913
1914	---	---	---	0.107	0.007	0	0	0	0.032	0.141	---	---	---	1914
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	0.100	0.057	0.007	0.006	0.002	0.016	0.037	---	---	---	MEAN

LOCATION - LAT 49 47 10 N LONG 109 35 42 W DRAINAGE AREA, 46.6 km² NATURAL FLOW

MCSHANE CREEK AT SMALL'S RANCH - STATION NO. 05HA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	0 ON JUN 01 *	---	1909
1910	---	---	0 ON APR 23	---	1910
1911	---	---	0 ON APR 02	---	1911
1912	---	---	0 ON MAY 26	---	1912
1913	---	---	0 ON APR 22	---	1913
1914	---	---	0 ON MAR 20	---	1914
1915	---	---	0 ON AUG 26	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MEADOW RIVER BELOW MEADOW LAKE - STATION NO. 06AD010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	14.1	21.0	6.21	3.49	2.38	2.01	1.91	1.43	0.937	---	1958
1960	---	---	---	30.6	38.3	25.7	12.4	5.26	3.83	2.74	2.19	---	---	1960
1961	---	---	---	---	5.90	3.21	2.37	2.03	1.48	0.885	---	---	---	1961
1964	---	---	---	2.09	4.38	2.90	1.93	1.28	0.828	.0.704	---	---	---	1964
1968	---	---	---	---	1.59	---	---	---	---	---	---	---	---	1968
1974	---	---	---	16.5	49.0	---	---	---	---	---	---	---	---	1974
1975	---	---	0.283	1.96	10.4	10.6	14.9	9.30	4.99	2.50	---	---	---	1975
1976	---	---	0.339	3.79	2.54	0.937	1.11	1.05	0.736	0.672	0.295	0.069	---	1976
1977	0.015	0.041	0.144	1.71	4.77	5.15	1.52	1.01	0.750	1.06	0.385	0.546	1.43	1977
1978	0.555	0.178	0.612	4.06	18.3	11.0	3.50	1.18	0.827	0.500	0.223	0.089	3.41	1978
1979	0.000	0	0.003	1.08	11.1	9.51	5.26	2.68	1.70	1.02	0.869	0.299	2.81	1979
1980	0	0	0	2.92	3.67	1.31	0.983	0.842	1.69	2.39	1.23	0.553	1.30	1980
1981	0.097	0.088	0.696	4.18	4.82	1.57	0.589	0.203	0.065	0.026	0.039	0.027	1.04	1981
1982	0.014	0	0	0.920	12.2	4.25	1.41	0.368	0.113	0.457	0.408	0.408	1.73	1982
1983	0.579	0.726	0.798	2.36	4.20	1.53	0.770	0.306	0.207	0.225	0.223	0.116	1.01	1983
1984	0.006	0	0.002	1.56	7.10	21.6	9.73	2.67	1.40	0.974	0.932	0.544	3.87	1984
1985	0.007	0	0	7.75	30.3	17.5	6.43	2.87	1.47	0.891	0.172	0	5.65	1985
1986	0	0	0.046	3.24	8.31	7.50	3.40	8.44	2.94	1.23	0.789	0.774	3.41	1986
1987	0.524	0.406	0.575	3.78	3.14	0.731	0.719	0.564	0.381	0.125	0.100	0.061	0.926	1987
1988	0.005	0	0	2.60	3.59	2.46	2.70	7.96	16.2	5.39	2.69	1.05	3.71	1988
1989	0.251	0.021	0.003	2.23	6.45	4.79	4.79	2.33	1.97	1.58	1.07	0.843	2.21	1989
1990	0.594	0.260	0.602	7.17	16.2	9.22	5.47	2.92	1.12	0.440	0.248	0.115	3.72	1990
MEAN	0.190	0.123	0.256	5.83	12.1	7.38	4.26	2.78	2.24	1.29	0.782	0.402	2.59	MEAN

LOCATION - LAT 54 08 10 N
LONG 108 23 40 W
DRAINAGE AREA, 3 340 km^2
NATURAL FLOW

MEADOW RIVER BELOW MEADOW LAKE - STATION NO. 06AD010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1964	---	---	---	---	1964
1968	---	---	---	---	1968
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	12.7 AT 13:00 CST ON MAY 29	10.8 ON MAY 29	0 B ON JAN 15 *	45 100	1977
1978	23.5 AT 19:47 CST ON MAY 12	22.4 ON MAY 11	0.037B ON DEC 30	108 000	1978
1979	12.8 AT 21:23 CST ON MAY 19	12.0 ON MAY 18	0 B ON JAN 20	88 600	1979
1980	7.61 AT 12:43 CST ON APR 29	6.99 ON APR 28	0 B ON JAN 01	41 200	1980
1981	7.43 AT 09:47 CST ON MAY 01	6.34 ON MAY 01	0.004 ON OCT 17	32 700	1981
1982	15.7 AT 16:21 CST ON MAY 13	15.2 ON MAY 11	0 B ON FEB 04	54 500	1982
1983	7.12 AT 18:49 CST ON MAY 07	5.70 ON MAY 07	0.041B ON DEC 31	31 700	1983
1984	27.4 AT 11:45 CST ON JUN 19	26.6 ON JUN 16	0 B ON JAN 16	122 000	1984
1985	39.9 AT 16:38 CST ON MAY 10 *	38.9 ON MAY 11 *	0 B ON JAN 17	178 000	1985
1986	15.1 AT 01:16 CST ON MAY 22	13.2 ON MAY 29	0 B ON JAN 01	107 000	1986
1987	6.33 AT 16:05 CST ON MAY 01	5.65 ON APR 29	0.031B ON DEC 29	29 200	1987
1988	34.0 AT 07:37 CST ON AUG 30	30.6 ON AUG 30	0 B ON JAN 12	117 000	1988
1989	7.81 AT 13:07 CST ON MAY 19	7.18 ON MAY 10	0.002B ON MAR 09	69 600	1989
1990	20.8 AT 15:59 CST ON MAY 21	19.1 ON MAY 16	0.100B ON DEC 05	117 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		81 500	MEAN

MEADOW RIVER NEAR MEADOW LAKE - STATION NO. 06AD003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	30.9	51.1	18.7	7.45	6.48	---	---	---	---	1933
1934	---	---	---	---	13.1	8.13	9.40	3.70	4.36	---	---	---	---	1934
1935	---	---	---	---	12.5	3.76	2.79	1.81	0.549	0.508	---	---	3.67	1935
1936	---	---	---	---	7.07	2.45	1.41	0.265	0.141	0.369	---	---	1.96	1936
1937	---	---	---	---	9.61	4.21	1.39	0.328	0.048	0.002	---	---	2.60	1937
1938	---	---	---	---	1.18	0.797	0.424	0.057	0.005	0.001	---	---	0.410	1938
1939	---	---	---	---	1.11	1.06	1.31	0.246	0.057	0.040	---	---	0.639	1939
1940	---	---	---	---	0.385	0.211	0.106	0.046	0.001	0	---	---	0.125	1940
MEAN	---	---	---	---	9.48	8.96	4.44	1.74	1.46	0.153	---	---	1.57	MEAN

LOCATION - LAT 54 13 30 N LONG 108 22 30 W DRAINAGE AREA, 3 420 km² NATURAL FLOW

MEADOW RIVER NEAR MEADOW LAKE - STATION NO. 06AD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1933	---	---	---	---	1933
1934	---	66.8 ON JUN 02 *	---	---	1934
		17.0 E ON MAY 01	---	---	
1935	---	20.4 ON MAY 06	0.051 ON SEP 30	58 400	1935
1936	---	10.0 ON MAY 02	0.057 ON SEP 11	31 100	1936
1937	---	11.9 ON MAY 18	0 ON SEP 24 *	41 400	1937
1938	---	1.44 ON MAY 11	0 ON SEP 02	6 520	1938
1939	---	2.01 ON JUL 10	0.031 ON OCT 02	10 200	1939
1940	---	0.844 ON MAY 26	0 ON SEP 10	1 990	1940
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		24 900	MEAN

MELFORT CREEK NEAR MELFORT - STATION NO. 05KB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	---	0.393	0.244	0.090	0.009	0.005	0.001	0	---	1928
1929	0	0	0	2.09	0.471	0.154	0.114	0.006	0	0	0	0	0.234	1929
1930	0	0	0	0.282	0.153	0.051	0.056	0.002	0.004	0.035	0.022	0	0.051	1930
1931	0	0.003	0.047	0.205	---	---	---	---	---	---	---	---	---	1931
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	10.3	---	---	---	---	---	---	---	---	---	1974
MEAN	0	0.001	0.012	3.22	0.312	0.199	0.138	0.033	0.004	0.013	0.008	0	0.143	MEAN

LOCATION - LAT 52 50 29 N LONG 104 32 26 W DRAINAGE AREA, 417 km² REGULATED

MELFORT CREEK NEAR MELFORT - STATION NO. 05KB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1928	---	---	---	---	1928
1929	---	5.47 B ON APR 20 *	0 ON SEP 22 *	7 390	1929
1930	---	0.776 ON APR 10	0B ON JAN 01	1 590	1930
1931	---	---	0B ON JAN 01	---	1931
1972	112 ON APR 24 *	---	---	---	1972
1974	67.7 AT 12:14 CST ON APR 20	---	---	---	1974
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 490	MEAN

MIDDLE CREEK ABOVE LODGE CREEK - STATION NO. 11AB006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	0.212	0.112	0.059	0.171	0	1.25	0.042	---	---	---	1911
1912	---	---	---	6.93	0.361	0.079	0	0	0	0	---	---	---	1912
1913	---	---	---	4.39	0.190	0.034	0.046	0	0	0	---	---	---	1913
1914	---	---	---	1.59	0.035	0	0	0	0	0.179	---	---	---	1914
1915	---	---	1.41	2.15	0.021	0.029	0.217	0.268	0.031	0.039	---	---	0.517	1915
1916	---	---	---	0.664	0.313	0.694	0.492	0.091	0.016	0.036	---	---	---	1916
1917	---	---	0	12.9	2.93	0.060	0.051	0	0	0	---	---	1.97	1917
1918	---	---	---	7.29	0.319	0.013	0	0	0	0	---	---	---	1918
1919	---	---	0	0.631	0.045	0.001	0	0	0	0	---	---	0.083	1919
1920	---	---	0.125	1.57	1.08	0.608	0.097	0	0	0	---	---	0.431	1920
1921	---	---	0.023	4.61	0.508	0.027	0.065	0	0	0	---	---	0.398	1921
1922	---	---	0	1.23	1.36	0.067	0.015	0	0	0	---	---	1.07	1922
1923	---	---	0.015	1.01	0.072	0.851	0.995	0.081	0.001	0	---	---	0.375	1923
1924	---	---	0	0.606	0.034	0.507	0.003	0.051	0	0	---	---	0.147	1924
1925	---	---	1.57	4.45	0.129	0.144	0.001	0	0	0	---	---	0.777	1925
1926	---	---	0.802	0.173	0.005	0	0.537	0	0	0	---	---	0.191	1926
1927	---	---	1.23	5.88	6.32	0.853	0.224	0.041	0	0.029	---	---	1.82	1927
1928	---	---	3.06	2.16	0.076	0.010	0.011	0.002	0	0	---	---	0.663	1928
1929	---	---	0.086	1.78	0.774	0.051	0	0	0	0	---	---	0.333	1929
1930	---	0.058	0.638	1.78	0.053	0.007	0	0	0	0	---	---	0.306	1930
1931	---	---	0.038	0.023	0	0	0	0	0	0	---	---	0.008	1931
1962	---	---	0.016	0.360	0.040	1.08	0.010	0	0	0	---	---	0.185	1962
1963	---	---	0.023	0.139	0.003	0	0.542	0	0	0	---	---	0.089	1963
1964	---	---	0.002	0.010	0.118	0	0	0	0	0	---	---	0.016	1964
1965	---	---	0	1.13	0.190	1.73	0.696	0.006	0.017	0.027	---	---	0.469	1965
1966	---	---	0.762	0.873	0.218	0.076	0.018	0	0	0.072	---	---	0.252	1966
1967	---	---	0.040	1.71	1.62	0.061	0.111	0	0	0.016	---	---	0.442	1967
1968	---	---	0.089	0.249	0.042	0.092	0	0	0	0	---	---	0.058	1968
1969	---	---	---	1.37	0.018	0.001	0	0	0	0	---	---	---	1969
1970	---	---	0.011	0.293	0.566	0.004	0	0	0	0.018	---	---	0.112	1970
1971	---	---	---	0.618	0.056	0.005	0.003	0.189	0.008	0.011	---	---	---	1971
1972	---	---	---	0.115	0.050	0.525	0.124	0	0	0.005	---	---	---	1972
1973	---	---	0.177	0.100	0.130	0.036	0	0	0	0	---	---	0.056	1973
1974	---	---	0.093	0.364	0.356	0.074	0.001	0.128	0.013	0	---	---	0.128	1974
1975	---	---	0	0.824	0.582	0.352	0.017	0	0	0.016	---	---	0.222	1975
1976	---	---	0.419	0.070	0.039	0.012	0.001	0	0	0	---	---	0.068	1976
1977	---	---	0.044	0.007	0.255	0.020	0	0	0	0	---	---	0.041	1977
1978	---	---	0.006	0.892	0.056	0.033	0.004	0.002	0.001	0	---	---	0.122	1978
1979	---	---	0.716	0.304	0.106	0.017	0.014	0	0	0	---	---	0.145	1979
1980	---	---	0.004	0.008	0.227	0.047	0.002	0	0	0	---	---	0.036	1980
1981	---	---	0.031	0	0.113	0.017	0	0	0	0	---	---	0.020	1981
1982	---	---	0	0.580	0.123	0.080	0	0	0	0	---	---	0.096	1982
1983	---	---	0.011	0.003	0.016	0	0	0	0	0	---	---	0.004	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0.203	0.176	0.004	0	0	0	---	---	0.048	1985
1986	---	0.134	0.882	0.030	0.082	0.002	0	0	1.79	0.236	---	---	0.375	1986
1987	---	0.169	0.552	0.119	0.017	0.007	0	0	0	0	---	---	0.088	1987
1988	---	---	0.005	0.003	0	0.135	0.001	0	0	0	---	---	0.018	1988
1989	---	---	0.011	0.011	0	0	0	0	0	0	---	---	0.003	1989
1990	---	---	0.880	0.008	0.102	0.017	0	0	0	0	---	---	0.127	1990
MEAN	---	0.120	0.336	1.52	0.401	0.174	0.089	0.017	0.063	0.015	---	---	0.300	MEAN

LOCATION - LAT 49 06 01 N LONG 109 49 02 W DRAINAGE AREA, 716 km² REGULATED INTERNATIONAL GAUGING STATION

MIDDLE CREEK ABOVE LODGE CREEK - STATION NO. 11AB008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	12.8 ON SEP 06	0 ON MAR 14 *	---	1911
1912	---	25.0 E ON APR 05	0E ON APR 01	---	1912
1913	---	---	0 ON JUL 16	---	1913
1914	---	---	0 ON MAY 22	---	1914
1915	---	11.9 ON APR 05	0B ON MAR 01	11 000	1915
1916	---	---	0 ON AUG 27	---	1916
1917	---	22.7 ON APR 22	0B ON MAR 01	41 700	1917
1918	---	---	0 ON JUL 09	---	1918
1919	---	1.98 ON APR 22	0B ON MAR 01	1 760	1919
1920	---	6.12 ON JUN 18	0B ON MAR 01	9 120	1920
1921	---	14.8 ON APR 16	0B ON MAR 01	8 420	1921
1922	---	33.1 ON APR 24 *	0B ON MAR 01	22 600	1922
1923	---	11.7 ON JUN 22	0B ON MAR 01	7 930	1923
1924	---	4.30 ON JUN 08	0B ON MAR 01	3 120	1924
1925	---	15.1 ON APR 24	0B ON MAR 01	16 400	1925
1926	---	5.44 ON JUL 03	0 ON MAY 16	4 050	1926
1927	---	31.7 E ON MAY 23	0B ON MAR 01	38 500	1927
1928	---	24.1 B ON MAR 26	0B ON MAR 01	14 000	1928
1929	---	5.44 ON APR 24	0B ON MAR 01	7 050	1929
1930	---	11.4 ON APR 06	0 ON JUN 17	6 480	1930
1931	---	0.229B ON MAR 23	0B ON MAR 01	162	1931
1962	19.8 AT 12:00 MST ON JUN 14	13.3 ON JUN 14	0B ON MAR 01	3 910	1962
1963	3.45 AT 22:00 MST ON JUL 05	3.37 ON JUL 06	0 ON MAY 06	1 880	1963
1964	1.93 AT 22:00 MST ON MAY 14	1.68 ON MAY 15	0B ON MAR 01	347	1964
1965	12.6 AT 19:00 MST ON JUN 26	9.17 ON JUN 27	0B ON MAR 01	9 930	1965
1966	10.0 AT 13:30 MST ON MAR 31	7.70 ON MAR 31	0B ON MAR 01	5 330	1966
1967	---	4.96 ON MAY 08	0B ON MAR 01	9 360	1967
1968	0.988 AT 10:00 MST ON APR 02	0.671 ON APR 03	0 ON MAY 21	1 240	1968
1969	13.1 AT 11:11 MST ON APR 07	11.3 ON APR 07	0 ON JUN 03	---	1969
1970	1.88 AT 23:15 MST ON MAY 12	1.50 ON MAY 17	0B ON MAR 01	2 360	1970
1971	1.67 B AT 10:20 CST ON APR 10	1.59 B ON APR 10	0 ON JUN 04	---	1971
1972	4.16 AT 05:20 CST ON JUN 25	3.94 ON JUN 25	0 ON JUN 17	---	1972
1973	1.54 B AT 13:00 CST ON MAR 08	1.02 B ON MAR 08	0B ON MAR 01	1 180	1973
1974	1.27 B AT 12:48 CST ON MAR 30	1.21 ON MAY 23	0B ON MAR 01	2 720	1974
1975	4.53 AT 05:40 CST ON MAY 08	3.79 ON MAY 08	0B ON MAR 01	4 690	1975
1976	---	1.98 B ON MAR 21	0 ON MAY 15	1 440	1976
1977	1.07 AT 05:19 CST ON MAY 16	0.909 ON MAY 16	0 ON MAY 02	670	1977
1978	5.78 AT 22:00 CST ON APR 06	4.84 ON APR 06	0B ON MAR 01	2 580	1978
1979	---	2.50 B ON MAR 18	0B ON MAR 01	3 070	1979
1980	0.459 AT 06:16 CST ON MAY 27	0.431 ON MAY 27	0B ON MAR 01	766	1980
1981	0.688 AT 20:22 CST ON MAY 31	0.408 ON MAY 24	0B ON MAR 28	430	1981
1982	---	2.34 ON APR 25	0B ON MAR 01	2 040	1982
1983	0.119 AT 00:35 CST ON MAY 17	0.106 ON MAY 17	0 ON MAR 01	80.7	1983
1984	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1984
1985	1.38 AT 18:40 CST ON MAY 07	1.12 ON MAY 08	0 ON MAR 01	1 010	1985
1986	20.9 AT 12:40 CST ON SEP 26 *	19.5 ON SEP 26	0 ON JUN 05	7 940	1986
1987	3.66 B AT 15:30 CST ON MAR 06	2.63 B ON MAR 06	0 ON JUN 17	1 860	1987
1988	0.640 AT 17:23 CST ON JUN 16	0.545 ON JUN 17	0 ON MAR 01	374	1988
1989	---	0.222B ON MAR 31	0B ON MAR 01	58.1	1989
1990	4.77 B AT 14:21 CST ON MAR 07	3.75 B ON MAR 07	0 ON APR 28	2 690	1990
				6 350	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE CREEK BELOW MIDDLE CREEK RESERVOIR - STATION NO. 11AB001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.010	0.010	0.010	---	---	---	1909
1910	---	---	---	0.025	0.013	0.011	0.014	0.012	0.012	0.012	---	---	---	1910
1911	---	---	---	0.373	0.087	0.020	0.110	0.019	0.376	0.014	---	---	---	1911
1912	---	---	---	8.44	0.158	0.023	0.009	0.011	0.012	0.010	---	---	---	1912
1913	---	---	---	---	0.015	0.008	0.011	0.011	0.008	0.007	---	---	---	1913
1914	---	---	---	1.16	0.011	0.012	0.008	0.006	0.007	0.010	---	---	---	1914
1915	---	---	---	1.75	0.014	0.017	0.070	0.397	0.010	0.010	---	---	---	1915
1916	---	---	5.11	0.319	0.298	0.557	0.724	0.106	0.022	0.018	---	---	0.902	1916
1917	---	---	0	6.78	3.11	0.095	0.025	0.011	0.055	0.044	---	---	1.25	1917
1918	---	---	1.79	5.26	0.145	0.040	0.029	0.019	0.015	0.018	---	---	0.904	1918
1919	---	---	0.012	0.399	0.019	0.016	0.011	0.009	0.009	0.013	---	---	0.060	1919
1920	---	---	0.024	1.01	0.964	---	0	0	0	0	---	---	---	1920
1921	---	---	0.048	1.41	0.235	0	---	0	0	0	---	---	---	1921
1922	---	---	0	3.75	0.818	0	0	0	0	0	---	---	0.563	1922
1923	---	---	0	0.893	0.023	---	---	---	0	0	---	---	---	1923
1924	---	---	0	0.434	0	---	0	0	0	0	---	---	---	1924
1925	---	---	0.378	2.66	0.046	---	0	0	0	0	---	---	---	1925
1926	---	---	0.575	0.200	0	0	0.115	0	0	0	---	---	0.112	1926
1927	---	---	0	5.63	4.48	0.447	0.095	0	0	0	---	---	1.32	1927
1928	---	---	1.09	1.49	0.228	0	0	0	0	0	---	---	0.349	1928
1929	---	---	0.018	1.30	0.490	0.021	0	0	0	0	---	---	0.226	1929
1930	---	0.040	0.224	1.36	0.007	0	0	0	0	0	---	---	0.195	1930
1931	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0	0.668	0.006	0	0	0	0	0	---	---	0.083	1936
1972	---	---	0	0	0	0.059	0	0	0	0	---	---	0.007	1972
1973	---	---	0	0	0.250	0.143	0	0.037	0	0	---	---	0.054	1973
1974	---	---	0	0.301	0.084	0	0.012	0.369	0	0	---	---	0.096	1974
1975	---	---	---	---	0.020	0.161	0	0	0	0	---	---	---	1975
1976	---	---	---	0	0.114	0	0.010	0.013	0	0.043	---	---	---	1976
1977	---	---	0	0	0.385	0	0	0	0	0	---	---	0.049	1977
1978	---	---	0	0.132	0	0.014	0	0.010	0	0	---	---	0.019	1978
1979	---	---	0.075	0.003	0	0.184	0.001	0.024	0	0	---	---	0.036	1979
1980	---	---	0	0	0.473	0	0	0	0	0	---	---	0.060	1980
1981	---	---	0	0.011	0.267	0	0	0	0	0	---	---	0.035	1981
1982	---	---	0	0.005	0.082	0	0	0	0	0	---	---	0.011	1982
1983	---	---	0	0.060	0.045	0	0	0	0	0	---	---	0.013	1983
1984	---	---	0	0.005	0.024	0	0	0	0	0	---	---	0.004	1984
1985	---	---	0	0.193	0.562	0.186	0	0	0	0	---	---	0.118	1985
1986	---	0.062	0.058	0.024	0.078	0	0	0.041	0.104	0	---	---	0.038	1986
1987	---	---	0.074	0.002	0.131	0	0	0	0	0	---	---	0.026	1987
1988	---	---	0	0	0.237	0.450	0.004	0.033	0	0	---	---	0.090	1988
1989	---	---	0	0	0.059	0.005	0	0	0	0	---	---	0.008	1989
1990	---	---	0.055	0.069	0.023	0	0	0	0	0	---	---	0.018	1990
MEAN	---	0.051	0.280	1.15	0.333	0.065	0.031	0.027	0.015	0.005	---	---	0.229	MEAN

LOCATION - LAT 49 24 44 N DRAINAGE AREA, 385 km²
LONG 109 55 06 W REGULATED SINCE 1937

INTERNATIONAL GAUGING STATION

MIDDLE CREEK BELOW MIDDLE CREEK RESERVOIR - STATION NO. 11AB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	47.9 ON APR 05 *	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	12.5 ON APR 04	---	---	1916
1917	---	22.5 ON MAR 12	0.010 ON APR 29	19 100	1917
1918	---	17.2 ON APR 15	0 E ON MAR 01 *	26 500	1918
1919	---	21.1 ON MAR 30	0 E ON MAR 01	19 100	1919
1920	---	2.24 ON APR 20	0.007 ON AUG 19	1 270	1920
1921	---	3.65 ON APR 21	0 ON MAY 25	---	1921
1922	---	---	0 B ON MAR 01	---	1922
1923	---	18.6 ON APR 22	0 B ON MAR 01	11 900	1923
1924	---	---	0 ON MAR 01	---	1924
1925	---	---	0 B ON MAR 01	---	1925
1926	---	---	0 B ON MAR 01	---	1926
1927	---	3.00 ON JUL 02	0 B ON MAR 01	2 370	1927
1928	---	29.4 ON APR 26	0 B ON MAR 01	28 000	1928
1929	---	3.54 E ON MAR 21	0 ON MAR 01	7 390	1929
1930	---	4.39 ON APR 23	0 B ON MAR 01	4 780	1930
1931	---	4.16 B ON APR 04	0 ON MAY 05	4 130	1931
1935	---	0.023 ON MAR 24	0 B ON MAR 01	6.39	1935
1936	---	---	---	---	1936
1972	4.08 AT 06:48 CST ON JUN 23 *	2.69 ON APR 14	0 B ON MAR 01	1 750	1972
1973	1.23 AT 12:13 CST ON MAY 10	0.974R ON JUN 23	0 ON MAR 01	153	1973
1974	1.43 AT 19:51 CST ON MAY 23	1.00 ON MAY 10	0 ON MAR 01	1 140	1974
1975	1.60 AT 16:47 CST ON MAY 06	1.14 R ON APR 18	0 B ON MAR 01	2 030	1975
1976	---	1.09 ON JUN 13	0 R ON MAY 09	---	1976
1977	---	1.17 ON OCT 07	---	---	1977
1978	1.14 B AT 18:27 CST ON APR 02	1.41 ON MAY 07	0 ON MAR 01	1 030	1978
1979	1.05 AT 16:56 CST ON JUN 11	1.04 B ON APR 02	0 B ON MAR 01	404	1979
1980	1.06 AT 22:04 CST ON MAY 22	0.964 ON JUN 11	0 B ON MAR 01	754	1980
1981	1.11 AT 12:36 CST ON MAY 20	0.952 ON MAY 04	0 B ON MAR 01	1 270	1981
1982	0.604 AT 14:36 CST ON MAY 10	0.876 ON MAY 12	0 B ON MAR 01	742	1982
1983	0.946 AT 10:38 CST ON APR 26	0.517 ON MAY 10	0 B ON MAR 01	234	1983
1984	0.163 AT 17:06 CST ON APR 30	0.583 ON APR 27	0 ON MAR 01	276	1984
1985	2.24 AT 00:48 CST ON MAY 04	0.126 ON APR 30	0 ON MAR 01	77.2	1985
1986	1.99 B AT 19:33 CST ON FEB 26	2.19 ON MAY 03	0 B ON MAR 01	2 490	1986
1987	1.55 ON MAR 07	1.39 ON SEP 26	0 ON MAR 13	807	1987
1988	1.48 AT 23:27 CST ON MAY 19	1.06 ON MAY 26	0 ON MAR 01	557	1988
1989	1.39 AT 13:35 CST ON MAY 24	1.35 ON MAY 20	0 ON MAR 01	1 900	1989
1990	1.62 AT 16:26 CST ON APR 29	0.653 ON MAY 24	0 ON MAR 01	172	1990
		1.43 ON APR 30	0 ON MAR 01	388	MEAN
				4 850	

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

MIDDLE CREEK NEAR BATTLE CREEK - STATION NO. 11AB087

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	0.020	0.228	0.031	0.027	---	---	---	1960
1961	---	---	0.041	0.190	0.030	0.018	0.119	0.121	0.020	0.017	---	---	0.069	1961
1962	---	---	0.046	0.079	0.036	0.044	0.025	0.012	0.014	0.022	---	---	0.035	1962
1963	---	---	0.023	0.036	0.026	0.021	0.247	0.010	0.016	0.021	---	---	0.050	1963
1964	---	---	0.071	0.116	0.043	0.025	0.009	0.008	0.018	0.020	---	---	0.039	1964
1965	---	---	0.014	0.275	0.165	0.376	0.096	0.016	0.026	0.024	---	---	0.123	1965
1966	---	---	0.110	0.077	0.199	0.033	0.023	0.025	0.024	0.184	---	---	0.085	1966
1967	---	---	---	---	0.505	0.089	0.102	0.024	0.024	0.146	---	---	---	1967
1968	---	---	0.085	0.191	0.131	0.042	0.028	0.021	0.027	0.023	---	---	0.068	1968
1969	---	---	---	---	0.025	0.015	0.016	0.009	0.016	0.095	---	---	---	1969
1970	---	---	---	---	0.634	0.056	0.020	0.017	0.015	0.117	---	---	---	1970
1971	---	---	---	0.197	0.035	0.066	0.044	0.396	0.039	0.025	---	---	---	1971
MEAN	---	---	0.056	0.145	0.166	0.071	0.063	0.074	0.023	0.060	---	---	0.067	MEAN

LOCATION - LAT 49 24 20 N LONG 109 52 22 W
DRAINAGE AREA, 414 km^2
REGULATED
INTERNATIONAL GAUGING STATION

MIDDLE CREEK NEAR BATTLE CREEK - STATION NO. 11AB087

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	---	---	1960
1961	---	2.94 ON APR 19	0 B ON MAR 01 *	1 470	1961
1962	---	0.306 ON JUN 14	0.008 ON AUG 14	733	1962
1963	---	5.18 ON JUL 04 *	0.008 ON AUG 06	1 070	1963
1964	---	1.38 B ON APR 01	0.003 ON JUL 30	816	1964
1965	---	4.13 ON JUN 25	0.011 ON JUN 09	2 600	1965
1966	---	3.51 ON MAY 24	0.017 ON JUL 19	1 800	1966
1967	---	---	---	---	1967
1968	---	1.23 ON MAY 29	0.009B ON MAR 13	1 440	1968
1969	---	---	---	---	1969
1970	6.57 AT 04:44 MST ON MAY 11 *	---	---	---	1970
1971	1.37 AT 17:57 CST ON JUL 23	---	---	---	1971
		---	---	1 420	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE CREEK NEAR GOVENLOCK - STATION NO. 11AB108

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.129	0.286	0.121	0.100	0.010	0.001	0.016	0.041	---	---	0.087	1968
1969	---	---	---	1.20	0.063	0.008	0.021	0	0	0.074	---	---	---	1969
1970	---	---	---	0.394	0.608	0.052	0.030	0.001	0	0.101	---	---	---	1970
1971	---	---	---	0.480	0.093	0.048	0.026	0.359	0.020	0.036	---	---	---	1971
1972	---	---	---	0.120	0.064	0.622	0.051	0.009	0.014	0.039	---	---	---	1972
1973	---	---	---	0.075	0.283	0.051	0.002	0	0	0.005	---	---	---	1973
1974	---	---	0.089	0.678	0.276	0.079	0.016	0.245	0.010	0.024	---	---	0.176	1974
1975	---	---	0.001	0.705	0.473	0.357	0.016	0.012	0.022	0.036	---	---	0.201	1975
1976	---	---	0.250	0.112	0.113	0.015	0.001	0	0	0.040	---	---	0.069	1976
1977	---	---	0.071	0.040	0.159	0.019	0.001	0	0	0.005	---	---	0.064	1977
1978	---	---	0.033	0.869	0.082	0.024	0.029	0	0.034	0.026	---	---	0.135	1978
1979	---	---	0.538	0.346	0.086	0.158	0.019	0.003	0.001	0.012	---	---	0.145	1979
1980	---	---	0.027	0.081	0.445	0.037	0.006	0.001	0.001	0.019	---	---	0.078	1980
1981	---	---	0.050	0.015	0.299	0.032	0.003	0	0	0.005	---	---	0.051	1981
1982	---	---	0	0.445	0.211	0.116	0.006	0	0	0.025	---	---	0.099	1982
1983	---	---	0.067	0.047	0.116	0.014	0.031	0	0	0.008	---	---	0.036	1983
1984	---	0.004	0.047	0.035	0.028	0.002	0	0	0	0	---	---	0.014	1984
1985	---	---	0.040	0.246	0.453	0.233	0.003	0	0	0.015	---	---	0.123	1985
1986	---	0.438	0.630	0.053	0.107	0.005	0	0	1.61	0.114	---	---	0.312	1986
1987	---	0.116	0.592	0.120	0.088	0.025	0.001	0.003	0	0.017	---	---	0.107	1987
1988	---	---	0.029	0.049	0.090	0.408	0.031	0	0	0.001	---	---	0.075	1988
1989	---	---	0.036	0.089	0.049	0.055	0.003	0	0	0.013	---	---	0.031	1989
1990	---	---	0.741	0.067	0.109	0.018	0	0	0	0	---	---	0.118	1990
MEAN	---	0.186	0.187	0.296	0.201	0.108	0.013	0.028	0.075	0.029	---	---	0.107	MEAN

LOCATION - LAT 49 13 42 N LONG 109 48 57 W DRAINAGE AREA, 655 km² REGULATED INTERNATIONAL GAUGING STATION

MIDDLE CREEK NEAR GOVENLOCK - STATION NO. 11AB108

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	1.70 AT 03:00 MST ON MAY 31	1.12 ON MAY 31	0 ON JUL 25 *	1 850	1968
1969	10.4 B AT 22:18 MST ON APR 06	12.1 B ON APR 06	0 ON JUN 13	---	1969
1970	3.94 B AT 00:17 MST ON APR 08	2.24 B ON APR 08	0 ON AUG 11	---	1970
1971	1.54 B AT 20:23 CST ON APR 16	1.22 ON APR 23	0 ON JUL 20	---	1971
1972	14.1 AT 02:55 CST ON JUN 24	8.51 ON JUN 24	---	---	1972
1973	1.01 AT 00:00 CST ON MAY 13	0.915 ON MAY 12	0 ON AUG 02	---	1973
1974	2.62 B AT 23:29 CST ON MAR 31	1.76 ON APR 20	0.001 ON JUL 24	3 730	1974
1975	8.35 AT 13:00 CST ON MAY 07	5.30 ON MAY 07	0 ON AUG 11	4 250	1975
1976	---	1.13 B ON MAR 21	0 ON JUL 10	1 460	1976
1977	1.17 AT 03:54 CST ON MAY 09	1.14 ON MAY 09	0 ON APR 27	1 350	1977
1978	9.29 B AT 23:04 CST ON APR 05	5.58 B ON APR 05	0 ON JUL 03	2 860	1978
1979	2.05 B AT 18:02 CST ON MAR 17	1.72 B ON MAR 17	0 B ON MAR 01	3 070	1979
1980	0.881 AT 21:25 CST ON MAY 07	0.839 ON MAY 06	0 B ON MAR 01	1 640	1980
1981	1.22 AT 17:53 CST ON MAY 08	0.737 ON MAY 19	0 ON JUL 27	1 070	1981
1982	1.08 AT 02:30 CST ON APR 24	2.22 ON APR 24	0 B ON MAR 01	2 100	1982
1983	0.715 AT 22:55 CST ON MAY 05	0.453 ON MAY 06	0 ON AUG 08	761	1983
1984	0.294 AT 06:15 CST ON APR 12	0.135 ON APR 12	0 ON JUN 23	296	1984
1985	1.62 AT 18:25 CST ON MAY 04	1.58 ON MAY 05	0 B ON MAR 01	2 610	1985
1986	33.0 AT 16:31 CST ON SEP 25 *	20.5 ON SEP 26 *	0 ON JUL 03	6 610	1986
1987	4.26 B AT 15:56 CST ON MAR 05	2.50 B ON MAR 05	0 ON JUL 09	2 250	1987
1988	0.882 AT 09:26 CST ON MAY 31	0.748 ON MAY 31	0 ON JUL 22	1 590	1988
1989	0.519B AT 21:30 CST ON MAR 30	0.260B ON MAR 29	0 B ON MAR 01	646	1989
1990	3.96 B AT 23:47 CST ON MAR 06	3.11 B ON MAR 07	0 ON JUL 01	2 500	1990
				2 260	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE CREEK RESERVOIR BEDFORD OUTLET - STATION NO. 11AB114

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0	0	0	0.519	0	0	0.073	---	---	0.075	1965
1966	---	---	0	0	0	0	0	0	0	0	---	---	0	1966
1967	---	---	0	0.209	0	0	0	0	0	0	---	---	0.026	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0	0	0	0	0	0.267	0	---	---	0.033	1969
1970	---	---	0	0.099	1.18	0	0	0	0	0	---	---	0.162	1970
1971	---	---	0	0	0	0	0	0.052	0.217	0	---	---	0.013	1971
1972	---	---	0	0	0	0	0	0.157	0.029	0	---	---	0.023	1972
1973	---	---	0	0.588	0	0	0	0	0	0	---	---	0.072	1973
1974	---	---	0	0	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0	0	0.139	0	0	0	0	---	---	0.017	1975
1976	---	---	0	0	0	0	0	0	0	0	---	---	0	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
1987	---	---	0	0	0	0	0	0	0	0	---	---	0	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0	0	0	0	0	0	0	---	---	0	1990
MEAN	---	---	0	0.033	0.04	0.005	0.019	0.008	0.019	0.003	---	---	0.016	MEAN

LOCATION - LAT 49 23 04 N
LONG 109 59 28 W REGULATED

MIDDLE CREEK RESERVOIR BEDFORD OUTLET - STATION NO. 11AB114

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0 ON MAR 01	0 ON MAR 01 *	0	1964
1965	---	1.08 ON JUL 02	0 ON MAR 01	1 590	1965
1966	---	0 ON MAR 01	0 ON MAR 01	0	1966
1967	---	1.05 ON APR 06	0 ON MAR 01	542	1967
1968	---	0 ON MAR 01	0 ON MAR 01	0	1968
1969	---	1.33 ON SEP 24	0 ON MAR 01	692	1969
1970	---	1.98 ON APR 30 *	0 ON MAR 01	3 420	1970
1971	---	1.19 ON AUG 31	0 ON MAR 01	703	1971
1972	---	1.37 ON AUG 29	0 ON MAR 01	496	1972
1973	---	1.58 ON APR 18	0 ON MAR 01 *	1 520	1973
1974	---	0 ON MAR 01	0 ON MAR 01	0	1974
1975	---	1.05 ON JUN 17	0 ON MAR 01	359	1975
1976	---	0 ON MAR 01	0 ON MAR 01	0	1976
1977	---	0 ON MAR 01	0 ON MAR 01	0	1977
1978	---	0 ON MAR 01	0 ON MAR 01	0	1978
1979	---	0 ON MAR 01	0 ON MAR 01	0	1979
1980	---	0 ON MAR 01	0 ON MAR 01	0	1980
1981	---	0 ON MAR 01	0 ON MAR 01	0	1981
1982	---	0 ON MAR 01	0 ON MAR 01	0	1982
1983	---	0 ON MAR 01	0 ON MAR 01	0	1983
1984	---	0 ON MAR 01	0 ON MAR 01	0	1984
1985	---	0 ON MAR 01	0 ON MAR 01	0	1985
1986	0 AT 00:01 CST ON MAR 01 *	0 ON MAR 01	0 ON MAR 01	0	1986
1987	---	0 ON MAR 01	0 ON MAR 01	0	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1989
1990	0 AT 00:01 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1990
	* - EXTREME RECORDED FOR THE PERIOD OF RECORD			345	MEAN

MIDDLE CREEK RESERVOIR FLOOD SPILLWAY - STATION NO. 11AB115

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0	0	0	0	0	0	0	---	---	0	1965
1966	---	---	0.046	0.838	0.015	0	0	0	0	0	---	---	0.110	1966
1967	---	---	0	0	1.40	0.114	0	0	0	0	---	---	0.191	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0	0	0	0	0	0	0	---	---	0	1969
1970	---	---	0	0	0	0	0	0	0	0	---	---	0	1970
1971	---	---	0	0	0	0	0	0	0	0	---	---	0	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0	0	0	0	0	0	0	---	---	0	1975
1976	---	---	0	0	0	0	0	0	0	0	---	---	0	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
1987	---	---	0	0	0	0	0	0	0	0	---	---	0	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0	0	0	0	0	0	0	---	---	0	1990
MEAN	---	---	0.002	0.031	0.052	0.004	0	0	0	0	---	---	0.011	MEAN

LOCATION - LAT 49 23 02 N
LONG 109 59 55 W REGULATED

MIDDLE CREEK RESERVOIR FLOOD SPILLWAY - STATION NO. 11AB115

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0 ON MAR 01	0 ON MAR 01 *	0	1964
1965	---	0 ON MAR 01	0 ON MAR 01	0	1965
1966	---	4.25 ON APR 01 *	0 ON MAR 01	2 330	1966
1967	---	3.45 ON MAY 18	0 ON MAR 01	4 040	1967
1968	---	0 ON MAR 01	0 ON MAR 01	0	1968
1969	---	0 ON MAR 01	0 ON MAR 01	0	1969
1970	---	0 ON MAR 01	0 ON MAR 01	0	1970
1971	---	0 ON MAR 01	0 ON MAR 01	0	1971
1972	---	0 ON MAR 01	0 ON MAR 01	0	1972
1973	---	0 ON MAR 01	0 ON MAR 01	0	1973
1974	---	0 ON MAR 01	0 ON MAR 01	0	1974
1975	---	0 ON MAR 01	0 ON MAR 01	0	1975
1976	---	0 ON MAR 01	0 ON MAR 01	0	1976
1977	---	0 ON MAR 01	0 ON MAR 01	0	1977
1978	---	0 ON MAR 01	0 ON MAR 01	0	1978
1979	---	0 ON MAR 01	0 ON MAR 01	0	1979
1980	---	0 ON MAR 01	0 ON MAR 01	0	1980
1981	---	0 ON MAR 01	0 ON MAR 01	0	1981
1982	---	0 ON MAR 01	0 ON MAR 01	0	1982
1983	---	0 ON MAR 01	0 ON MAR 01	0	1983
1984	---	0 ON MAR 01	0 ON MAR 01	0	1984
1985	---	0 ON MAR 01	0 ON MAR 01	0	1985
1986	0 AT 00:01 CST ON MAR 01 *	0 ON MAR 01	0 ON MAR 01	0	1986
1987	---	0 ON MAR 01	0 ON MAR 01	0	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	---	0 ON MAR 01	0 ON MAR 01	0	1989
1990	0 AT 00:01 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		236	MEAN

MIDDLE CREEK RESERVOIR MAIN OUTLET - STATION NO. 11AB113

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0.249	0.048	0	0	0	0	0	---	---	0.037	1964
1965	---	---	0	0	0.502	0	0	0	0	0	---	---	0.064	1965
1966	---	---	0	0	0.389	0	0	0	0	0.302	---	---	0.093	1966
1967	---	---	0	0	1.20	0.215	0	0.046	0.022	0.469	---	---	0.240	1967
1968	---	---	0.216	0.132	0.476	0	0	0	0	0.058	---	---	0.111	1968
1969	---	---	0	0	0	0.399	0	0	0.026	0.162	---	---	0.072	1969
1970	---	---	0	0	1.31	0	0	0	0.027	0.112	---	---	0.184	1970
1971	---	---	0	0	0	0.532	0.031	0.478	0.100	0	---	---	0.142	1971
1972	---	---	0	0	0	0.182	0	0	0	0.021	---	---	0.025	1972
1973	---	---	0	0	0.505	0.199	0.012	0	0	0.004	---	---	0.090	1973
1974	---	---	0	0.389	0.237	0	0.134	0.358	0	0.013	---	---	0.142	1974
1975	---	---	0	0	0	0.219	0	0	0	0	---	---	0.027	1975
1976	---	---	0	0	0.326	0	0.138	0	0	0.079	---	---	0.069	1976
1977	---	---	0	0.047	0.545	0.016	0.058	0.058	0	0	---	---	0.091	1977
1978	---	---	0	0	0	0.116	0.072	0.049	0	0	---	---	0.030	1978
1979	---	---	0	0	0	0.497	0	0.110	0	0	---	---	0.075	1979
1980	---	---	0	0.032	0.877	0	0	0	0	0	---	---	0.115	1980
1981	---	---	0	0.101	2.477	0	0	0	0	0	---	---	0.073	1981
1982	---	---	0	0	0.161	0	0	0	0	0	---	---	0.020	1982
1983	---	---	0	0.511	0.049	0	0	0	0	0.031	---	---	0.073	1983
MEAN	---	---	0.011	0.073	0.355	0.119	0.022	0.055	0.009	0.063	---	---	0.089	MEAN

LOCATION - LAT 49 24 15 N
LONG 109 59 00 W REGULATED

MIDDLE CREEK RESERVOIR MAIN OUTLET - STATION NO. 11AB113

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0.708 ON APR 19	0 ON MAR 01 *	773	1964
1965	---	3.17 ON MAY 05	0 ON MAR 01	1 350	1965
1966	---	2.75 ON MAY 10	0 ON MAR 01	1 970	1966
1967	---	5.86 ON MAY 17 *	0 ON MAR 01	5 070	1967
1968	---	4.83 ON MAY 04	0 ON MAR 01	2 350	1968
1969	---	2.89 ON JUN 02	0 ON MAR 01	1 530	1969
1970	---	3.91 ON MAY 05	0 ON MAR 01	3 890	1970
1971	---	2.21 ON JUN 09	0 ON MAR 01	3 000	1971
1972	---	1.93 ON JUN 21	0 ON MAR 01	529	1972
1973	---	0.742 ON MAY 18	0 ON MAR 01	1 910	1973
1974	---	1.59 ON APR 17	0 ON MAR 01	3 000	1974
1975	---	1.42 ON JUN 12	0 ON MAR 01	568	1975
1976	---	1.27 ON OCT 06	0 ON MAR 01	1 460	1976
1977	---	2.55 ON MAY 05	0 ON MAR 01	1 940	1977
1978	---	0.850 ON JUN 10	0 ON MAR 01	626	1978
1979	---	1.98 ON JUN 19	0 ON MAR 01	1 580	1979
1980	---	2.22 ON MAY 14	0 ON MAR 01	2 430	1980
1981	---	1.90 ON MAY 16	0 ON MAR 01	1 540	1981
1982	---	1.02 ON MAY 09	0 ON MAR 01	430	1982
1983	---	1.61 ON APR 15	0 ON MAR 01	1 540	1983
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 870	MEAN

MILLIGAN CREEK NEAR WADENA - STATION NO. 05MA023

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	0	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.649	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	---	0.656	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	1.39	---	---	---	---	---	---	---	---	1967
1968	---	---	0.535	1.11	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	---	0.479	---	---	---	---	---	---	---	---	1969
1970	---	---	---	2.02	0.751	0.074	---	---	---	---	---	---	---	1970
1971	---	---	---	2.38	1.13	---	---	---	---	---	---	---	---	1971
1972	---	---	---	2.31	1.14	---	---	---	---	---	---	---	---	1972
1974	---	---	---	---	3.98	2.85	---	---	---	---	---	---	---	1974
1975	---	---	0	2.83	5.74	2.23	0.537	0.257	0.071	0.012	---	---	1.45	1975
1976	---	---	0	6.26	4.58	1.45	0.835	0.237	0.065	0.001	---	---	1.41	1976
1977	---	---	0.001	0.300	0.175	0.040	0	0	0	0	---	---	0.064	1977
1978	---	---	0	0.282	0.108	0.009	0	0	0	0	---	---	0.049	1978
1979	---	---	0	4.02	5.52	1.67	0.292	0.006	0	0	---	---	1.43	1979
1980	---	---	0	1.48	0.602	0.001	0	0	0	0	---	---	0.258	1980
1981	---	0	0.003	0.003	0.005	0.001	0	0	0	0	---	---	0.001	1981
1982	---	---	0	0.197	0.188	0	0	0	0	0	---	---	0.048	1982
1983	---	---	0	0.563	0.667	0.180	1.18	1.32	0.139	0.118	---	---	0.523	1983
1984	---	---	0.224	0.583	0.282	0.174	0.012	0	0	0	---	---	0.158	1984
1985	---	---	0	6.54	1.11	0.015	0.001	0	0	0	---	---	0.943	1985
1986	---	---	0.447	3.31	1.01	0.001	0	0	0	0	---	---	0.590	1986
1987	---	---	0.036	0.121	0.009	0.008	0	0	0	0	---	---	0.022	1987
1988	---	---	0	0.833	0.072	0.002	0	0	0	0	---	---	0.111	1988
1989	---	---	0	0.020	0.001	0	0	0	0	0	---	---	0.003	1989
1990	---	---	0	3.55	1.73	0.005	0.002	0.003	0	0	---	---	0.655	1990
MEAN	---	0	0.073	1.87	1.22	0.484	0.179	0.114	0.017	0.008	---	---	0.483	MEAN

LOCATION - LAT 51 51 25 N DRAINAGE AREA, 1 430 km²
LONG 103 46 37 W REGULATED SINCE 1986

MILLIGAN CREEK NEAR WADENA - STATION NO. 05MA023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1974	---	---	---	---	1974
1975	17.2 AT 02:23 CST ON APR 29	15.9 ON APR 29	0B ON MAR 01 *	30 800	1975
1976	---	15.4 ON APR 12	0B ON MAR 01	29 900	1976
1977	0.694 AT 09:39 CST ON APR 13	0.597B ON APR 10	0B ON MAR 01	1 350	1977
1978	---	0.731A ON APR 10	0B ON MAR 01	1 040	1978
1979	19.2 AT 06:12 CST ON APR 25 *	18.5 ON APR 25 *	0B ON MAR 01	30 300	1979
1980	3.35 B AT 20:54 CST ON APR 11	2.95 ON APR 22	0B ON MAR 01	5 460	1980
1981	0.013 AT 12:40 CST ON MAY 04	0.012 ON MAY 04	0B ON MAR 01	30.4	1981
1982	1.30 AT 17:40 CST ON MAY 11	0.611B ON APR 14	0B ON MAR 01	1 010	1982
1983	3.70 AT 01:50 CST ON APR 21	2.52 ON JUL 22	0B ON MAR 01	11 100	1983
1984	2.05 B AT 04:33 CST ON MAR 27	1.41 B ON MAR 27	0B ON MAR 01	3 350	1984
1985	15.9 AT 14:50 CST ON APR 10	13.8 B ON APR 10	0B ON MAR 01	20 000	1985
1986	5.33 B AT 15:13 CST ON APR 01	4.26 B ON APR 04	0B ON MAR 01	12 500	1986
1987	0.364 AT 21:04 CST ON APR 04	0.340B ON APR 04	0B ON MAR 01	455	1987
1988	3.47 B AT 08:51 CST ON APR 06	2.78 ON APR 07	0B ON MAR 01	2 360	1988
1989	0.221B AT 19:33 CST ON APR 03	0.140B ON APR 04	0B ON MAR 01	53.7	1989
1990	8.48 AT 03:14 CST ON APR 08	7.97 ON APR 08	0B ON MAR 01	13 900	1990
				10 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONNERY RIVER NEAR PARADISE HILL - STATION NO. 05EF004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	0.071	0.163	---	---	---	1967
1968	---	---	1.73	0.778	0.384	0.209	0.170	0.281	0.547	0.325	---	---	0.554	1968
1969	---	---	0.215	2.79	0.722	0.292	0.205	0.128	0.188	0.381	---	---	0.609	1969
1970	---	---	0.283	1.68	0.397	0.710	2.66	0.652	0.189	0.287	---	---	0.857	1970
1971	---	---	0.230	1.78	0.902	0.765	0.763	0.284	0.342	0.378	---	---	0.679	1971
1972	---	---	0.298	2.02	0.909	0.203	0.229	0.286	0.217	0.247	---	---	0.535	1972
1973	---	---	0.375	1.24	0.702	0.305	0.456	0.460	0.231	0.388	---	---	0.592	1973
1974	---	---	0.031	3.67	2.92	3.27	1.87	0.597	0.491	0.521	---	---	1.66	1974
1975	---	---	0.211	1.58	1.78	1.54	2.56	1.18	0.410	0.424	---	---	1.22	1975
1976	---	---	0.260	1.07	0.350	0.489	0.448	0.188	0.170	0.288	---	---	0.405	1976
1977	---	---	0.269	0.583	0.721	0.253	0.408	0.222	0.199	0.317	---	---	0.371	1977
1978	---	---	0.222	0.969	1.07	0.690	0.435	0.208	0.335	0.207	---	---	0.515	1978
1979	---	---	0.232	1.64	1.11	0.533	0.549	0.466	0.240	0.307	---	---	0.633	1979
1980	---	---	0.190	1.31	0.237	0.212	0.188	0.200	0.326	0.134	---	---	0.346	1980
1981	---	---	0.457	1.72	0.332	0.201	0.266	0.084	0.016	0.130	---	---	0.397	1981
1982	---	---	0.236	0.708	0.384	0.287	0.550	0.214	0.095	0.321	---	---	0.349	1982
1983	---	---	0.230	0.682	0.380	0.349	0.458	0.112	0.297	0.239	---	---	0.342	1983
1984	---	---	0.399	1.29	0.756	0.399	0.196	0.275	0.485	0.422	---	---	0.525	1984
1985	---	---	0.244	1.60	1.43	0.524	0.254	0.254	0.203	0.310	---	---	0.601	1985
1986	---	---	0.449	1.16	0.523	0.616	2.10	4.31	0.645	0.407	---	---	1.28	1986
1987	---	---	0.282	2.22	1.49	0.543	0.169	0.250	0.233	0.341	---	---	0.687	1987
1988	---	---	0.323	0.584	0.364	0.331	0.606	0.553	0.277	0.435	---	---	0.435	1988
1989	---	---	0.173	0.811	0.473	0.413	0.503	0.150	0.114	0.137	---	---	0.345	1989
1990	---	---	0.307	1.09	0.443	0.258	0.274	0.124	0.045	0.173	---	---	0.337	1990
MEAN	---	---	0.337	1.43	0.812	0.609	0.709	0.499	0.265	0.303	---	---	0.621	MEAN

LOCATION - LAT 53 32 28 N DRAINAGE AREA, 875 km²
LONG 109 31 38 W NATURAL FLOW

MONNERY RIVER NEAR PARADISE HILL - STATION NO. 05EF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	3.65 ON MAR 26	0 ON MAR 01 *	11 700	1968
1969	---	12.1 B ON APR 12	0.037 ON AUG 28	12 900	1969
1970	---	18.0 ON JUL 03 *	0.042 ON OCT 05	18 100	1970
1971	8.72B AT 14:00 CST ON APR 16	7.28B ON APR 16	0.127 ON AUG 29	14 400	1971
1972	---	6.06 ON APR 16	0.025 ON SEP 10	11 300	1972
1973	---	3.03 ON APR 12	0.028 ON SEP 11	12 500	1973
1974	---	16.7 ON APR 20	0.031B ON MAR 01	35 200	1974
1975	---	8.18B ON APR 25	0.229 ON SEP 21	25 900	1975
1976	---	2.57B ON APR 06	0.048 ON AUG 25	8 580	1976
1977	14.1 AT 21:49 CST ON JUL 29 *	2.15 ON JUL 30	0.059 ON SEP 04	7 860	1977
1978	2.10 AT 21:02 CST ON MAY 02	1.98 ON MAY 02	0.079 ON AUG 15	10 900	1978
1979	8.39B AT 18:42 CST ON APR 25	7.50B ON APR 25	0.136 ON SEP 25	13 400	1979
1980	5.06B AT 21:30 CST ON APR 15	4.75B ON APR 16	0.033 ON OCT 26	7 330	1980
1981	6.19B AT 20:21 CST ON APR 02	5.47B ON APR 02	0.002 ON SEP 03	8 410	1981
1982	1.86 AT 06:53 CST ON APR 22	1.61 ON JUL 06	0.055 ON SEP 14	7 390	1982
1983	1.69 AT 13:16 CST ON JUN 23	1.49 ON APR 07	0.002 ON AUG 16	7 240	1983
1984	4.17B AT 10:07 CST ON APR 04	3.40B ON APR 01	0.031 ON AUG 02	11 100	1984
1985	3.42 AT 22:32 CST ON APR 11	3.00 ON APR 11	0.033 ON JUN 30	12 700	1985
1986	7.65 AT 16:40 CST ON AUG 07	7.44 ON AUG 08	0.057 ON JUN 17	27 100	1986
1987	5.16 AT 11:34 CST ON APR 08	3.97B ON APR 06	0.018 ON JUL 27	14 500	1987
1988	3.72 AT 01:04 CST ON JUL 06	2.68 ON JUL 06	0.016 ON JUL 31	9 200	1988
1989	1.89B AT 11:01 CST ON APR 13	1.10B ON APR 07	0.007 ON AUG 20	7 310	1989
1990	4.27B AT 12:31 CST ON APR 04	2.87B ON APR 04	0.023 ON SEP 19	7 140	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		13 100	MEAN

MONTREAL RIVER AT HIGHWAY NO. 2 - STATION NO. 06CA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	15.2	32.8	44.1	48.5	47.4	45.6	40.3	29.1	---	1973
1974	25.5	23.8	21.9	21.0	36.2	40.0	48.6	48.2	42.5	37.3	30.9	28.8	33.8	1974
1975	16.0	16.4	17.1	16.0	19.1	22.5	19.6	14.7	9.73	7.54	4.73	4.02	13.9	1975
1976	3.35	6.12	6.34	5.92	5.66	3.88	3.49	1.98	0.248	0.170	0.013	0	3.17	1976
1977	0	0	0	0.304	2.50	3.04	1.62	2.23	3.14	4.56	4.70	3.25	2.12	1977
1978	2.53	1.92	1.81	5.88	12.1	13.1	12.9	9.61	13.1	14.9	13.6	9.07	9.23	1978
1979	7.72	8.85	8.72	6.40	18.1	24.9	22.0	14.3	14.0	11.6	9.38	7.33	12.8	1979
1980	6.04	4.82	5.80	7.20	5.09	---	2.32	---	---	---	14.0	10.3	---	1980
1981	7.93	7.16	9.16	13.6	17.3	12.9	8.97	7.01	3.56	2.34	1.79	2.33	7.84	1981
1982	2.86	2.68	4.25	3.87	7.44	7.53	4.11	3.83	4.33	5.94	5.05	5.22	4.59	1982
1983	6.49	5.17	5.57	6.61	12.2	15.6	14.2	9.09	6.24	6.66	5.46	4.63	8.18	1983
1984	4.13	3.42	3.59	6.69	21.9	18.6	15.2	10.3	7.30	6.52	4.87	5.39	8.17	1984
1985	4.39	4.47	4.70	10.8	29.9	34.6	30.9	27.6	23.8	19.5	12.7	10.5	17.9	1985
1986	8.11	6.35	8.09	9.49	35.6	16.0	13.0	9.74	5.27	4.23	3.54	3.71	8.61	1986
1987	4.11	4.01	4.24	7.50	9.78	5.05	4.58	3.64	2.62	1.86	1.77	1.94	4.26	1987
1988	2.43	2.51	3.09	4.11	6.21	4.39	3.04	2.04	1.16	0.600	0.274	0.391	2.52	1988
1989	0.454	0.601	0.648	1.01	3.78	2.83	2.87	0.592	0.474	0.621	0.043	0.025	1.17	1989
1990	0.273	0.456	0.732	0.671	6.43	6.97	6.26	4.75	2.55	1.06	1.80	1.36	2.79	1990
MEAN	6.02	5.81	6.08	7.47	13.1	15.6	14.3	12.8	11.0	10.1	8.61	7.08	8.82	MEAN

LOCATION - LAT 54 42 50 N LONG 105 41 48 W DRAINAGE AREA, 5 450 km²
REGULATED

MONTREAL RIVER AT HIGHWAY NO. 2 - STATION NO. 06CA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	57.8 AT 19:25 CST ON AUG 18 *	53.5 A ON JUL 20 *	19.7 E ON APR 30	1 070 000	1974
1975	45.0 AT 12:01 CST ON JUN 27	37.7 ON JUN 27	2.32 B ON DEC 31	440 000	1975
1976	---	13.8 ON MAY 17	0 B ON NOV 22 *	100 000	1976
1977	16.2 AT 14:32 CST ON JUN 08	10.3 ON JUN 08	0 B ON JAN 01	66 900	1977
1978	25.8 AT 20:18 CST ON OCT 16	19.0 ON OCT 16	1.65 B ON APR 01	291 000	1978
1979	32.7 AT 22:38 CST ON JUN 23	28.4 ON JUN 23	2.24 B ON APR 21	404 000	1979
1980	---	18.2 ON NOV 01	0.460 ON JUN 25	---	1980
1981	29.0 AT 10:47 CST ON JUL 08	21.2 ON MAY 19	0.653 ON OCT 13	247 000	1981
1982	16.0 AT 18:25 CST ON JUN 08	11.9 ON JUN 08	0.705 ON SEP 29	145 000	1982
1983	32.4 AT 15:54 CST ON JUN 19	23.1 ON JUN 19	1.01 ON SEP 19	258 000	1983
1984	36.4 AT 15:31 CST ON JUN 01	27.8 ON JUN 01	1.24 ON OCT 16	258 000	1984
1985	44.5 AT 17:43 CST ON JUN 12	40.4 ON JUN 12	3.57 B ON MAR 04	565 000	1985
1986	32.4 AT 18:47 CST ON MAY 21	25.8 ON MAY 21	0.753 ON OCT 28	272 000	1986
1987	23.4 AT 19:08 CST ON MAY 18	15.7 ON MAY 02	0.756E ON OCT 19	134 000	1987
1988	16.2 AT 00:10 CST ON JUL 07	9.93 ON MAY 17	0.049 ON OCT 26	79 700	1988
1989	13.3 AT 16:36 CST ON OCT 18	7.60 ON OCT 16	0.023B ON DEC 23	36 800	1989
1990	17.2 AT 19:21 CST ON JUN 11	11.4 ON JUN 16	0.026B ON JAN 01	88 100	1990
				278 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONTREAL RIVER AT OUTLET OF BIGSTONE LAKE - STATION NO. 06CA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	19.3	10.6	8.53	8.11	7.85	---	1967
1968	7.08	5.83	5.32	6.21	7.19	7.49	6.61	5.29	5.48	7.34	7.94	7.63	6.62	1968
1969	7.15	6.77	6.48	7.55	11.1	10.1	6.77	5.09	4.82	7.80	9.31	9.20	7.68	1969
1970	8.75	7.75	7.21	8.57	14.7	19.2	51.3	47.9	46.3	36.2	31.7	28.3	25.8	1970
1971	23.0	19.5	16.0	17.3	43.2	40.4	40.8	41.2	32.8	27.5	19.2	17.9	25.0	1971
1972	12.6	11.9	11.6	11.3	33.9	30.6	19.3	12.8	10.9	12.6	15.2	14.2	16.5	1972
1973	34.4	30.7	9.99	11.6	59.8	37.2	57.6	54.6	58.5	55.2	50.9	42.4	35.5	1973
1974	37.7	35.9	35.3	39.2	58.4	53.3	54.7	56.5	54.2	50.7	37.9	28.8	45.3	1974
1975	25.0	21.9	19.4	18.5	27.0	31.2	27.7	20.5	16.8	14.3	12.3	10.1	20.4	1975
1976	8.58	7.73	7.45	8.44	8.40	8.32	8.85	8.49	6.14	5.52	5.11	4.42	7.29	1976
1977	2.93	2.76	2.47	3.00	4.97	11.7	20.6	17.1	9.22	9.09	9.36	9.72	9.31	1977
1978	8.58	7.12	6.19	6.67	20.6	30.7	24.9	21.2	17.7	22.2	21.0	17.2	17.0	1978
1979	15.3	13.7	12.9	12.6	21.5	29.4	27.9	21.6	22.5	22.6	20.2	16.0	19.7	1979
1980	12.5	10.3	8.56	8.58	7.03	4.71	3.63	3.68	8.37	21.1	24.3	19.4	11.0	1980
1981	15.6	13.5	12.7	16.1	24.9	20.0	13.8	9.13	6.34	5.65	5.83	6.31	12.5	1981
1982	5.59	4.20	3.61	3.12	9.27	14.7	10.9	9.18	7.30	7.49	8.44	8.50	7.72	1982
1983	8.27	7.50	7.12	7.67	14.2	22.7	22.0	17.1	13.9	12.8	12.7	12.0	13.2	1983
1984	9.03	8.20	6.72	8.20	13.5	21.8	18.5	13.9	11.9	12.3	12.8	11.7	12.4	1984
1985	9.43	7.96	7.17	10.4	35.5	43.3	43.7	33.0	32.5	27.1	20.4	13.7	23.9	1985
1986	10.8	8.75	7.15	8.95	29.8	22.3	19.2	22.3	14.9	12.7	10.4	9.04	13.6	1986
1987	7.69	7.26	6.85	10.9	19.6	13.2	11.4	9.90	8.66	7.01	6.24	11.2	1987
1988	5.63	5.15	4.86	5.65	13.8	13.3	8.35	9.98	7.90	5.72	5.36	4.57	7.53	1988
1989	4.00	3.23	2.81	3.03	6.04	8.09	8.71	5.74	5.21	5.25	5.20	4.24	5.14	1989
1990	3.32	2.14	1.36	1.71	7.24	9.55	7.28	7.89	6.50	6.09	5.87	5.86	5.42	1990
MEAN	11.5	10.1	9.09	10.2	18.4	21.5	22.8	19.8	17.5	16.8	15.3	13.1	15.6	MEAN

LOCATION - LAT 55 05 40 N LONG 105 21 46 W DRAINAGE AREA, 7 280 km²
REGULATED

MONTREAL RIVER AT OUTLET OF BIGSTONE LAKE - STATION NO. 06CA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	8.10 ON OCT 23	4.45 ON SEP 02	209 000	1968
1969	---	11.8 ON MAY 11	4.25 ON AUG 29	242 000	1969
1970	---	57.5 ON JUL 18	7.14E ON MAR 21	813 000	1970
1971	---	51.5 ON JUL 28	15.1 E ON MAR 27	790 000	1971
1972	---	39.1 ON MAY 31	9.54 ON SEP 15	524 000	1972
1973	---	62.9 ON SEP 26	9.03E ON MAR 25	1 120 000	1973
1974	---	63.1 ON MAY 27 *	26.3 ON DEC 30	1 430 000	1974
1975	---	32.6 ON JUN 02	9.17 ON DEC 31	643 000	1975
1976	---	11.1 ON JUL 24	3.82B ON DEC 31	230 000	1976
1977	---	34.8 ON JUL 31	2.24E ON APR 02	293 000	1977
1978	---	33.7 A ON JUN 10	5.95A ON MAR 19	538 000	1978
1979	33.4 AT 15:34 CST ON JUN 25	32.9 ON JUN 25	11.7 ON APR 12	622 000	1979
1980	28.4 AT 06:42 CST ON OCT 30	27.8 ON OCT 30	2.70 ON AUG 04	348 000	1980
1981	27.5 AT 21:26 CST ON MAY 21	26.6 ON MAY 19	4.57 ON OCT 08	394 000	1981
1982	16.5 AT 11:47 CST ON JUN 08	16.3 ON JUN 09	2.59 ON APR 28	243 000	1982
1983	25.8 AT 16:42 CST ON JUL 03	24.7 ON JUN 13	6.84 ON APR 03	416 000	1983
1984	24.3 AT 15:07 CST ON JUL 02	23.3 ON JUN 25	6.22 ON APR 02	392 000	1984
1985	50.2 AT 18:47 CST ON JUL 03 *	49.8 ON JUL 03	6.67 ON MAR 19	752 000	1985
1986	26.5 AT 13:55 CST ON AUG 07	24.5 ON AUG 10	6.68 ON MAR 21	430 000	1986
1987	30.5 AT 11:55 CST ON MAY 08	26.9 ON MAY 15	5.79 ON DEC 07	353 000	1987
1988	18.1 AT 20:18 CST ON JUN 02	17.2 ON JUN 01	3.95 ON DEC 31	238 000	1988
1989	12.3 AT 23:59 CST ON JUN 30	9.66 ON JUL 09	2.74E ON MAR 30	162 000	1989
1990	11.7 AT 23:45 CST ON JUN 17	11.1 ON JUN 05	1.21 ON APR 02 *	171 000	1990
				494 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOON LAKE CREEK NEAR SASKATOON - STATION NO. 05HG017

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	0.378	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	0.060	---	---	---	---	---	---	---	---	---	1971
1974	---	---	---	0.068	0.002	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.006	0.001	0	0	0	0	0	---	---	0.001	1975
1976	---	---	0	0.001	0.001	0	0	0	0	0	---	---	0	1976
MEAN	---	---	0	0.103	0.001	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 52 01 28 N LONG 106 48 43 W DRAINAGE AREA, 146 km^2 NATURAL FLOW

MOON LAKE CREEK NEAR SASKATOON - STATION NO. 05HG017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	---	---	---	---	1974
1975	---	0.020 ON APR 18 *	0B ON MAR 01 *	19.7	1975
1976	---	0.003 ON APR 22	0B ON MAR 01	3.72	1976
				11.7	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSEHEAD DITCH ON PIAPOT CREEK - STATION NO. 05HA025

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1915	---	---	---	---	0.165	0.138	---	---	---	---	---	---	---	1915
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
MEAN	---	---	---	---	0.165	0.138	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 51 00 N LONG 109 16 00 W REGULATED

MOOREHEAD DITCH ON PIAPOT CREEK - STATION NO. 05HA025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON AUG 20 *	---	1911
1915	---	---	0 ON JUL 22	---	1915
1917	---	---	0R ON JUL 20	---	1917
1919	---	---	0R ON AUG 30	---	1919
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

MOOSE JAW RIVER ABOVE THUNDER CREEK - STATION NO. 05JE001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	0.827	0.645	0.034	---	---	---	---	---	---	1910
1911	---	---	---	5.40	1.07	2.01	0.079	0.006	0.002	0.326	0.118	0.016	---	1911
1912	0.001	0	---	---	14.8	1.37	0.684	0.082	0.027	0.055	0.030	0.001	---	1912
1913	0	0	---	---	0.181	0.028	0.342	0.018	0.004	0.006	0.011	0.003	---	1913
1914	0	0	0.031	1.86	0.159	0.095	0.012	0	0	0	0.069	0.010	0.265	1914
1915	0	0	0	0.042	0.011	0.008	0.004	0	0	0	0	0	0.008	1915
1916	0	0	0.749	41.4	3.99	1.13	0.328	0.072	0.058	0.332	0.303	0.057	5.91	1916
1917	0.005	0	0.002	18.6	4.99	0.235	0.026	0.003	0.002	0.011	0.003	0	2.94	1917
1918	0	0	4.76	1.71	0.637	0.027	0.004	0	0	0	0.017	0	0.896	1918
1919	0	0	0.096	4.85	0.325	0.036	0.183	0	0	0.090	0.006	0	0.686	1919
1920	0	0	0.645	15.4	3.78	0.097	0.003	0.002	0.002	0.097	0.015	0	2.47	1920
1921	0	0	0.029	0.362	0.148	0.228	1.13	0.038	0.138	0.073	0.015	0.007	0.269	1921
1922	0.014	0.007	1.02	15.9	6.98	0.929	0.138	0.023	0.009	0.015	0.061	0.014	3.10	1922
1923	0.007	0.001	0.407	7.29	0.952	2.33	19.2	1.20	0.240	0.126	---	---	3.98	1923
1924	---	---	1.11	8.51	0.762	0.224	0.031	0.023	0.111	0.044	---	---	1.33	1924
1925	---	---	2.83	24.5	0.871	1.68	0.263	0.005	0.008	0.090	---	---	3.73	1925
1926	---	---	0.033	0.321	0.524	0.408	1.02	0.115	0.041	0.023	---	---	0.311	1926
1927	---	---	0.368	35.9	6.77	3.32	0.185	0.018	0.034	0.023	---	---	5.74	1927
1928	---	---	4.51	4.95	0.450	0.550	0.788	0.022	0.017	0.110	---	---	1.42	1928
1929	---	---	0.056	0.013	0.006	0.004	0.045	0.014	0.009	0.021	---	---	0.021	1929
1930	---	0.102	0.821	4.18	0.122	0.025	0.014	0.008	0.081	0.029	---	---	0.651	1930
1931	---	---	0.046	0.012	---	---	---	---	---	---	---	---	---	1931
1933	---	---	---	1.68	0.452	1.06	0.036	0.113	0	0	---	---	---	1933
1934	---	---	---	0.177	0.001	0.019	0.007	0.082	0.016	0.023	---	---	---	1934
1935	---	---	---	1.74	0.665	0.973	0.578	0.829	0.020	0.018	---	---	---	1935
1936	---	---	0.552	21.9	4.44	0.084	0.014	0.081	0.001	0.011	---	---	3.34	1936
1937	---	---	0	0.002	0.021	0	0	0	0	0	---	---	0.003	1937
1938	---	---	3.36	2.24	0.245	0.006	0.001	0.081	0.017	0.048	---	---	0.749	1938
1939	---	---	0.302	2.33	0.007	0.296	1.72	0.006	0.109	0.002	---	---	0.592	1939
1940	---	---	0	0.026	0.244	0.005	0.001	0.072	0	0	---	---	0.044	1940
1954	---	---	0.020	0.043	0.297	3.92	0.579	1.08	6.54	3.34	---	---	1.96	1954
1955	---	---	0.284	32.8	30.7	1.33	9.05	0.723	0.029	0.021	---	---	10.3	1955
1956	---	---	1.57	37.1	3.46	0.747	1.01	0.031	0.011	0.021	---	---	5.41	1956
1957	---	---	1.00	4.55	0.482	0.025	0.015	0.001	0.002	0.003	---	---	0.750	1957
1958	---	---	0.068	3.77	0.040	0.024	0.008	0.008	0	0	---	---	0.480	1958
1959	---	---	0.014	0.024	0.004	0.076	0.394	0.010	0.042	0.572	---	---	0.143	1959
1960	---	---	5.82	23.5	1.48	3.88	3.50	0.033	0.004	0.005	---	---	4.72	1960
1961	---	---	1.94	0.409	0.085	0.006	0	0	0	0	---	---	0.307	1961
1962	---	---	0.780	4.28	0.030	0.336	0.034	0.008	0	0	---	---	0.673	1962
1963	---	---	0.477	0.570	0.020	0.849	4.77	1.03	0.043	0.009	---	---	0.976	1963
1964	---	---	0	1.83	0.318	0.350	0.031	0.032	0.011	0.010	---	---	0.318	1964
1965	---	---	0	4.91	6.01	9.52	2.07	0.088	0.003	0.003	---	---	2.80	1965
1966	---	---	2.90	1.44	0.322	0.021	0.006	0.004	0.005	0.001	---	---	0.589	1966
1967	---	---	0.545	18.2	3.19	0.044	0.028	0.003	0.006	0.012	---	---	2.72	1967
1968	---	---	1.87	0.254	0.032	0.019	0.014	0.009	0.013	0.005	---	---	0.279	1968
1969	---	---	0.042	52.3	9.38	0.238	0.106	0.143	0.009	0.202	---	---	7.69	1969
1970	---	---	1.11	21.3	34.9	4.21	0.431	0.017	0.014	0.007	---	---	7.74	1970
1971	---	---	0.215	33.9	3.29	0.365	0.588	0.025	0.010	0.003	---	---	4.71	1971
1972	---	---	5.81	2.71	0.402	1.21	0.025	0.015	0.005	0.003	---	---	1.27	1972
1973	---	---	0.009	0.016	0.011	0.247	0.071	0.020	0.026	0.003	---	---	0.050	1973
1974	---	---	0.005	67.1	34.1	4.84	0.195	2.56	0.460	0.142	---	---	13.5	1974
1975	---	---	0.074	26.5	27.5	1.41	2.13	0.030	0.027	0.027	---	---	7.18	1975
1976	---	---	12.6	64.6	4.12	3.56	2.34	0.759	0.117	0.012	---	---	11.1	1976
1977	---	---	0.013	0.009	1.12	0.201	0.028	0	0	0.001	---	---	0.179	1977
1978	---	---	0.678	5.86	0.866	0.178	0.039	0	0	0	---	---	0.940	1978
1979	---	---	0.454	19.6	26.6	2.42	4.12	0.071	0.004	0	---	---	6.65	1979
1980	---	---	0.074	2.05	0.093	0.059	0.022	0.002	0	0	---	---	0.283	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.156	40.6	8.09	2.70	3.06	0.541	0.004	0.004	---	---	6.80	1982
1983	---	0.065	1.90	27.7	5.04	0.574	0.087	0.007	0.003	0	---	---	4.47	1983
1984	---	---	0.005	0.009	0.001	0	0	0	0	0	---	---	0.002	1984
1985	---	---	1.37	1.11	0.025	0.002	0	0	0	0	---	---	0.313	1985
1986	---	0.052	3.42	0.951	6.51	0.198	0	0	0	0	---	---	1.40	1986
1987	---	---	0.231	0.542	0.005	0.019	0	0	0	0	---	---	0.099	1987
1988	---	---	0	0.004	0.002	0	0	0	0	0	---	---	0.001	1988
1989	---	---	0	0	[illegible]	0.006	0.046	0	0	0	---	---	0.007	1989
1990	---	---	0	0.004	0.004	0.009	0.205	0.017	0	0.006	---	---	0.031	1990
MEAN	0.002	0.014	1.12	11.3	4.12	0.961	0.937	0.157	0.128	0.092	0.055	0.009	2.46	MEAN

LOCATION - LAT 50 20 46 N
LONG 105 31 49 W

DRAINAGE AREA, 5 250 km²
REGULATED

MOOSE JAW RIVER ABOVE THUNDER CREEK - STATION NO. 05JE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 26 *	---	1910
1911	---	---	0 ON AUG 18	---	1911
1912	---	37.7 ON MAY 14	0 B ON MAR 01	---	1912
1913	---	---	0 B ON MAR 01	---	1913
1914	---	5.61 E ON APR 10	0 B ON MAR 01	5 610	1914
1915	---	0.105 ON APR 04	0 B ON MAR 01	169	1915
1916	---	83.6 ON APR 18	0 B ON MAR 01	125 000	1916
1917	---	54.7 ON APR 18	0 B ON MAR 01	62 300	1917
1918	---	22.7 B ON MAR 26	0 B ON MAR 01	19 000	1918
1919	---	12.4 ON APR 20	0 B ON MAR 01	14 500	1919
1920	---	24.9 ON APR 26	0 B ON MAR 01	52 300	1920
1921	---	2.80 ON JUL 04	0 B ON MAR 04	5 680	1921
1922	---	39.9 ON APR 10	0 B ON MAR 02	65 600	1922
1923	---	54.7 ON JUL 15	0 B ON MAR 19	84 300	1923
1924	---	19.1 B ON APR 14	0 B ON MAR 01	28 200	1924
1925	---	62.9 B ON APR 03	0 B ON MAR 01	78 900	1925
1926	---	3.51 ON JUN 29	0 ON SEP 25	6 590	1926
1927	---	85.0 ON APR 15	0 ON OCT 24	121 000	1927
1928	---	27.6 B ON MAR 31	0 B ON MAR 01	30 100	1928
1929	---	0.722 ON JUL 28	0 B ON MAR 01	446	1929
1930	---	11.8 B ON APR 07	0 ON SEP 01	13 800	1930
1931	---	---	0 B ON MAR 27	---	1931
1933	---	---	0 ON JUL 16	---	1933
1934	---	---	0 ON APR 26	---	1934
1935	---	9.57 B ON APR 22	0 ON MAY 27	---	1935
1936	---	69.7 ON APR 17	0 ON JUL 01	70 700	1936
1937	---	0.496 ON MAY 14	0 B ON MAR 01	61.4	1937
1938	---	15.6 ON MAR 26	0 B ON MAR 01	15 900	1938
1939	---	9.37 ON APR 02	0 B ON MAR 01	12 500	1939
1940	---	2.18 ON AUG 03	0 B ON MAR 01	931	1940
1954	---	17.5 ON SEP 20	0.014B ON MAR 18	41 500	1954
1955	---	106 ON MAY 09	0.006 ON OCT 19	219 000	1955
1956	---	89.2 ON APR 15	0 B ON MAR 01	115 000	1956
1957	---	11.5 B ON APR 06	0 ON JUL 30	15 900	1957
1958	---	19.1 B ON APR 04	0 B ON MAR 01	16 200	1958
1959	---	1.73 ON OCT 31	0 B ON MAR 01	3 030	1959
1960	---	60.0 B ON APR 04	0 B ON MAR 01	100 000	1960
1961	---	9.77 B ON MAR 23	0 B ON MAR 01	6 490	1961
1962	16.7 B AT 16:00 CST ON APR 01	15.7 B ON APR 01	0 B ON MAR 01	14 200	1962
1963	---	10.3 ON JUL 20	0 B ON MAR 01	20 700	1963
1964	---	8.07 B ON APR 09	0 B ON MAR 01	6 720	1964
1965	23.0 B AT 22:00 CST ON APR 18	19.4 ON JUN 03	0 B ON MAR 01	59 300	1965
1966	---	7.62 B ON MAR 27	0 B ON MAR 01	12 500	1966
1967	56.6 AT 21:00 CST ON APR 15	56.1 B ON APR 15	0 B ON MAR 01	57 500	1967
1968	---	1.54 B ON MAR 23	0 ON OCT 02	5 900	1968
1969	---	164 ON APR 12	0 B ON MAR 01	163 000	1969
1970	73.9 AT 03:15 CST ON MAY 10	72.8 ON MAY 10	0.005 ON OCT 14	164 000	1970
1971	100 AT 01:30 CST ON APR 12	96.3 ON APR 12	0.003 ON OCT 05	95 800	1971
1972	26.2 B AT 15:33 CST ON MAR 25	25.3 B ON MAR 25	0 ON SEP 18	26 900	1972
1973	0.711 AT 04:26 CST ON JUN 16	0.663 ON JUN 16	0 ON MAY 05	1 060	1973
1974	261 AT 15:01 CST ON APR 20 *	252 ON APR 20 *	0.003B ON MAR 01	287 000	1974
1975	87.8 AT 17:50 CST ON APR 25	87.2 ON APR 25	0.011B ON MAR 01	152 000	1975
1976	125 AT 12:31 CST ON APR 06	124 ON APR 06	0.006 ON SEP 29	235 000	1976
1977	14.3 A AT 08:47 CST ON MAY 27	13.3 A ON MAY 27	0 ON APR 23	3 780	1977
1978	21.9 B AT 12:15 CST ON APR 04	19.2 B ON APR 04	0 ON AUG 02	19 900	1978
1979	73.6 AT 08:21 CST ON APR 25	73.2 ON APR 25	0 B ON MAR 01	141 000	1979
1980	---	4.58 B ON APR 11	0 ON JUN 08	5 990	1980
1981	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0 B ON MAR 01	0	1981
1982	133 AT 19:59 CST ON APR 18	130 ON APR 19	0 B ON MAR 01	144 000	1982
1983	51.5 AT 02:00 CST ON APR 10	50.8 ON APR 10	0 E ON AUG 23	94 700	1983
1984	0.055B AT 23:00 CST ON MAR 31	0.048 ON APR 01	0 B ON MAR 01	37.2	1984
1985	7.82 B AT 14:10 CST ON MAR 28	6.78 B ON MAR 28	0 B ON MAR 01	6 640	1985
1986	18.6 AT 14:44 CST ON MAY 16	18.4 ON MAY 16	0 ON JUN 28	29 600	1986
1987	2.01 B AT 07:56 CST ON APR 02	1.29 B ON APR 02	0 B ON MAR 01	2 090	1987
1988	0.007 AT 08:05 CST ON APR 13	0.007 ON APR 13	0 B ON MAR 01	13.2	1988
1989	0.146 AT 08:20 CST ON JUL 12	0.146 ON JUL 12	0 ON MAR 01	140	1989
1990	2.34 AT 22:46 CST ON JUL 27	2.03 ON JUL 28	0 B ON MAR 01	659	1990
				52 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE JAW RIVER AT CHEVRIER'S FARM - STATION NO. 05JE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	1.02	0.631	---	---	---	---	---	---	---	1910
1911	---	---	---	---	0.932	---	0.125	0.005	0	0.239	---	---	---	1911
1912	---	---	---	4.94	---	1.05	0.859	0.130	0.004	---	---	---	---	1912
MEAN	---	---	---	4.94	0.976	0.841	0.492	0.068	0.002	0.239	---	---	---	MEAN

LOCATION - LAT 50 15 33 N
LONG 105 21 03 W
DRAINAGE AREA, 4 170 km^2
NATURAL FLOW

MOOSE JAW RIVER AT CHEVRIER'S FARM - STATION NO. 05JE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910					
1911	---	---	0 ON MAY 05 *	---	1910
1912	---	---	0 ON MAY 09	---	1911
			0 ON JUL 27	---	1912
	* - EXTREME RECORDED FOR THE PERIOD OF RECORD			---	MEAN

MOOSE JAW RIVER NEAR BURDICK - STATION NO. 05JE006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0.035	0.060	0.867	---	---	---	---	---	---	---	1944
1945	---	---	0.038	0.031	0.036	0.075	---	---	---	---	---	---	---	1945
1946	---	---	8.62	5.80	0.100	0.123	---	---	---	---	---	---	---	1946
1947	---	---	3.36	28.0	2.90	0.335	---	---	---	---	---	---	---	1947
1948	---	---	0.347	41.9	21.2	0.505	---	---	---	---	---	---	---	1948
1949	---	---	0.272	1.96	0.083	0.046	---	---	---	---	---	---	---	1949
1950	---	---	0.302	14.6	3.00	0.369	---	---	---	---	---	---	---	1950
1951	---	---	0	20.3	1.4	0.839	---	---	---	---	---	---	---	1951
1952	---	---	1.61	32.4	0.609	0.266	---	---	---	---	---	---	---	1952
1953	---	---	0.303	2.62	1.49	49.1	20.8	0.415	0.117	0.027	---	---	---	1953
1954	---	---	0.081	0.056	0.105	4.48	0.529	---	7.06	3.59	---	---	---	1954
1955	---	---	0.989	38.2	46.2	2.33	9.32	1.25	0.100	0.037	---	---	---	1955
1956	---	---	2.80	41.5	4.12	1.09	1.53	0.153	0.081	0.114	---	---	---	1956
1957	---	---	2.28	4.88	0.808	0.111	0.045	0.082	0.065	0.100	---	---	---	1957
1958	---	---	1.04	4.30	0.186	0.118	0.096	0.056	0.043	0.075	---	---	---	1958
1959	---	---	0.744	0.078	0.070	0.062	0.331	0.037	0.078	0.785	---	---	---	1959
1960	---	---	7.45	24.4	1.57	3.48	4.15	0.083	0.082	0.075	---	---	---	1960
1961	---	---	2.86	0.634	0.082	0.041	0.030	0.027	0.032	0.789	0.098	---	---	1961
1962	---	---	0.718	4.82	0.154	0.465	0.145	0.028	0	0.038	---	---	---	1962
1963	---	---	1.05	1.18	0.028	1.32	5.54	1.43	0.062	0.040	---	---	---	1963
1964	---	---	0.065	1.94	0.354	0.394	0.062	0.069	0.058	0.052	---	---	---	1964
1965	---	---	0.010	7.13	6.17	9.61	2.41	0.198	0.140	0.005	---	---	---	1965
1966	---	---	4.69	1.94	0.412	0.109	0.280	0.157	0.079	0.018	---	---	---	1966
1967	---	---	0.722	20.9	4.00	0.181	0.032	0.012	0.048	0.094	---	---	---	1967
1968	---	---	2.99	0.441	0.077	0.061	0.078	0.100	0.034	0.040	---	---	---	1968
1969	---	---	0.165	61.5	9.13	1.10	1.41	0.552	0.043	0.209	---	---	---	1969
1970	---	---	1.35	27.4	37.1	6.65	1.01	0.062	0.029	0.026	---	---	---	1970
1971	---	---	0.101	39.9	1.90	0.488	0.665	0.006	0.006	0.150	---	---	---	1971
1972	---	---	4.69	3.26	0.846	1.23	0.054	0.255	0.083	0.173	0.151	0.089	---	1972
1973	0.083	0.119	0.151	0.165	0.377	0.549	0.092	0.093	0.077	0.150	0.200	0.107	0.180	1973
1974	0.079	0.162	0.150	91.0	37.8	6.79	1.01	2.75	1.02	0.174	0.672	0.258	11.8	1974
1975	0.098	0.137	0.328	31.2	30.4	1.76	2.66	0.102	0.286	0.072	0.185	0.117	5.63	1975
1976	0.096	0.269	16.8	70.6	4.55	6.33	2.86	0.900	0.236	0.367	0.220	0.142	8.56	1976
1977	0.149	0.245	0.276	0.097	1.58	0.279	0.321	0.095	0.067	0.103	0.216	0.142	0.300	1977
1978	0.157	0.155	0.858	7.38	2.12	0.309	0.313	0.033	0.080	0.228	0.131	0.149	0.904	1978
1979	0.135	0.143	0.889	21.7	26.7	2.58	4.85	0.347	0.063	0.096	0.216	0.147	4.85	1979
1980	0.108	0.111	0.450	2.52	0.171	0.114	0.210	0.111	0.075	0.147	0.213	0.150	0.363	1980
1981	0.150	0.243	0.188	0.164	0.069	0.164	0.139	0.194	0.257	0.270	0.179	0.135	0.179	1981
1982	0.095	0.138	0.600	49.8	9.02	3.35	2.87	0.642	0.107	0.237	0.201	0.186	5.56	1982
1983	0.207	0.205	2.51	27.5	5.95	0.740	0.272	0.034	0.229	0.077	0.255	0.131	3.15	1983
1984	0.161	0.338	0.304	0.080	0.004	0.029	0	0	0	0	0.121	0.152	0.098	1984
1985	0.148	0.128	1.35	1.82	0.245	0.042	0.012	0.005	0.005	0.167	0.077	0.014	0.334	1985
1986	0.008	0.302	4.48	1.22	9.25	0.227	0.030	0.008	0.005	0.040	0.057	0.098	1.07	1986
1987	0.222	0.192	0.517	0.950	0.020	0.007	0.062	0.005	0.195	0.249	0.382	0.019	0.234	1987
1988	0.001	0.001	0.012	0.007	0	0	0	0	0	0	0	0	0.002	1988
1989	0	0	0	0.004	0.004	0.013	0.005	0.002	0.002	0.001	0.007	0.010	0.004	1989
1990	0.009	0.008	0.013	0.008	0.004	0.003	0.359	0.215	0.004	0.001	0.002	0.023	0.055	1990
MEAN	0.105	0.161	1.69	15.9	6.09	2.32	1.70	0.286	0.288	0.214	0.179	0.109	2.40	MEAN

LOCATION - LAT 50 24 00 N DRAINAGE AREA, 9 230 km^2
LONG 105 23 50 W REGULATED

REMARKS - FROM 1944 TO JUN 15 1955, STATION WAS LOCATED IN SE04-17-25-W2 AND PUBLISHED UNDER STATION NO. 05JG008

MOOSE JAW RIVER NEAR BURDICK - STATION NO. 05JE006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	8.30 ON JUN 15	0 ON MAR 01 *	---	1944
1945	---	0.170B ON MAR 26	0 B ON MAR 01	---	1945
1946	---	27.4 ON MAR 31	0 B ON MAR 01	---	1946
1947	---	56.4 ON APR 17	0 B ON MAR 01	---	1947
1948	---	200 ON APR 25	---	---	1948
1949	---	10.3 ON APR 10	0 B ON MAR 01	---	1949
1950	---	52.7 ON APR 24	---	---	1950
1951	---	53.0 ON APR 17	0 B ON MAR 01	---	1951
1952	---	63.1 ON APR 10	0 B ON MAR 01	---	1952
1953	---	97.1 E ON JUN 11	0.025 ON OCT 16	---	1953
1954	---	19.5 ON SEP 21	---	---	1954
1955	---	108 A ON MAY 09	0 B ON OCT 31	---	1955
1956	90.9 AT 05:00 CST ON APR 16	90.0 ON APR 16	0.011B ON MAR 01	---	1956
1957	13.5 AT 22:00 CST ON APR 03	12.3 ON APR 04	0.011 ON JUL 03	---	1957
1958	20.3 AT 02:00 CST ON APR 05	18.7 ON APR 05	0.006 ON MAY 27	---	1958
1959	---	5.92 B ON MAR 14	0 ON AUG 13	---	1959
1960	64.0 AT 21:00 CST ON APR 03	61.2 ON APR 04	0.014 ON OCT 09	---	1960
1961	11.8 AT 08:00 CST ON MAR 24	11.6 ON MAR 24	0 ON JUL 08	---	1961
1962	15.0 AT 23:30 CST ON APR 02	14.8 ON APR 03	0 E ON AUG 23	---	1962
1963	16.2 AT 17:00 CST ON JUL 10	12.1 B ON MAR 31	0.006E ON OCT 26	---	1963
1964	15.6 AT 11:00 CST ON APR 09	8.44 ON APR 10	0.028B ON MAR 01	---	1964
1965	21.5 AT 20:00 CST ON APR 20	20.2 ON APR 19	0 B ON MAR 01	---	1965
1966	10.2 B AT 22:00 CST ON MAR 14	13.1 B ON MAR 15	0 ON SEP 28	---	1966
1967	55.5 AT 20:00 CST ON APR 14	54.1 ON APR 15	0 ON JUL 31	---	1967
1968	4.73 B AT 22:00 CST ON MAR 08	4.62 B ON MAR 08	0 ON JUN 11	---	1968
1969	227 AT 24:00 CST ON APR 12	214 ON APR 13	0.008 ON SEP 17	---	1969
1970	71.1 AT 12:00 CST ON MAY 10	70.5 ON MAY 10	0.002 ON AUG 21	---	1970
1971	123 AT 13:04 CST ON APR 12	118 ON APR 12	0 ON SEP 12	---	1971
1972	22.7 B AT 15:47 CST ON MAR 26	20.3 B ON MAR 26	0 ON SEP 11	---	1972
1973	2.13 AT 22:51 CST ON OCT 23	1.28 ON JUN 04	0.005 ON JUL 21	5 680	1973
1974	374 AT 22:52 CST ON APR 19 *	368 ON APR 20 *	0.042B ON JAN 20	372 000	1974
1975	98.8 AT 01:55 CST ON APR 26	97.7 ON APR 26	0.031 ON OCT 15	177 000	1975
1976	130 AT 12:55 CST ON APR 07	129 ON APR 07	0.028 ON OCT 25	271 000	1976
1977	15.5 A AT 20:27 CST ON MAY 27	12.5 A ON MAY 27	0.007 ON MAY 14	9 450	1977
1978	---	21.0 B ON APR 05	0.001 ON AUG 15	28 500	1978
1979	78.3 E AT 17:12 CST ON APR 25	77.2 E ON APR 25	0.005 ON OCT 14	153 000	1979
1980	6.20 B AT 07:01 CST ON APR 11	5.34 ON APR 12	0.004 ON MAY 05	11 500	1980
1981	0.771 ON OCT 14	0.609 ON SEP 05	0.011 ON MAY 06	5 630	1981
1982	156 AT 10:50 CST ON APR 19	154 ON APR 19	0.015 ON SEP 19	175 000	1982
1983	63.4 AT 02:47 CST ON APR 10	55.7 ON APR 10	0.003 ON NOV 02	99 500	1983
1984	1.41 AT 19:50 CST ON JUN 16	0.812B ON MAR 25	0 ON JUN 09	3 110	1984
1985	8.47 B AT 13:25 CST ON MAR 28	5.81 B ON MAR 27	0.001A ON AUG 19	10 500	1985
1986	20.5 AT 13:47 CST ON MAY 16	17.8 ON MAY 16	0 B ON FEB 14	33 900	1986
1987	4.76 B AT 16:47 CST ON MAR 30	2.34 B ON MAR 30	0 ON AUG 25	7 370	1987
1988	0.020B AT 12:00 CST ON MAR 23	0.020B ON MAR 23	0 B ON JAN 12	55.4	1988
1989	0.045 AT 12:00 CST ON JUN 29	0.045 ON JUN 29	0 B ON JAN 01	126	1989
1990	3.95 AT 23:06 CST ON JUL 28	2.86 ON JUL 29	0 ON JUL 03	1 730	1990
				75 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE JAW RIVER NEAR LANG - STATION NO. 05JE002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.110	0.137	0.065	---	---	---	---	1911
1912	---	---	---	1.07	.45	0.616	0.151	0.027	0.002	0	0	---	---	1912
1913	---	---	---	---	0.012	0	0	0	0	0	---	---	---	1913
1914	---	---	---	0.879	0.089	0.023	0.003	0	0	0	---	---	---	1914
1915	---	---	---	0	0	0	0	0	0	0	---	---	---	1915
1916	---	---	---	---	0.127	0.075	0.056	0.039	0.016	0.014	---	---	---	1916
1917	---	---	---	3.40	1.47	0.049	0.007	0	0	0	---	---	---	1917
1918	---	---	---	0.586	0.161	0.011	0	0	0	0	---	---	---	1918
1919	---	---	---	0.906	0.040	0	0	0	0	0	---	---	---	1919
1969	---	---	0	11.4	..51	0.023	0.005	0	0	0	---	---	1.59	1969
1970	---	---	0	2.97	11.9	0.965	0.020	0	0	0	---	---	1.99	1970
1971	---	---	0	7.67	0.606	0.017	0.002	0	0	0	---	---	1.02	1971
1972	---	---	0.880	0.467	0.061	0.023	0	0	0	0	---	---	0.174	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0.179	1973
1974	---	---	0	8.61	3.86	0.670	0.023	0	0	0	---	---	0	1974
													1.63	
1975	---	---	0	5.66	7.76	0.520	0.027	0	0	0	---	---	1.74	1975
1976	---	---	0.230	17.6	0.710	0.881	1.28	0.193	0.003	0	---	---	2.57	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.276	0.580	0.030	0	0	0	0	0	---	---	0.110	1978
1979	---	---	0.017	6.35	6.90	0.703	0.175	0	0	0	---	---	2.02	1979
1980	---	---	0.005	0.083	0	0	0	0	0	0	---	---	0.011	1980
1981	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	5.72	0.550	0.035	0	0	0	0	---	---	0.774	1982
1983	---	---	0	4.96	0.823	0.055	0	0	0	0	---	---	0.719	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.160	0.042	0	0	0	0	0	0	---	---	0.025	1985
1986	---	---	0.744	0.102	0.792	0.004	0	0	0	0	---	---	0.207	1986
1987	---	---	0.002	0.103	0	0	0	0	0	0	---	---	0.013	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.091	0	0	0	0	0	0	---	---	0.011	1989
1990	---	---	0	0.024	0	0	0	0	0	0	---	---	0.003	1990
MEAN	---	---	0.105	2.83	1.36	0.156	0.060	0.013	0.003	0	0	---	0.664	MEAN

LOCATION - LAT 49 55 51 N LONG 104 28 57 W DRAINAGE AREA, 875 km² NATURAL FLOW

MOOSE JAW RIVER NEAR LANG - STATION NO. 05JE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---		
1912	---	---	---	---	1911
1913	---	---	0 ON SEP 13 *	---	1912
1914	---	---	0 ON JUN 04	---	1913
			0 ON JUL 09	---	1914
1915	---	---			
1916	---	---	0 ON MAR 22	---	1915
1917	---	---	---	---	1916
1918	---	6.68 ON APR 26	0B ON APR 01	---	1917
1919	---	---	0 ON JUN 07	---	1918
		2.97 ON APR 16	0 ON APR 01	---	1919
1969	---	28.1 ON APR 11	0 ON MAR 01	33 700	1969
1970	---				
1971	20.6 AT 20:00 CST ON APR 08	22.2 ON MAY 04	0B ON MAR 01	42 200	1970
1972	3.88 B AT 14:00 CST ON MAR 18	17.2 ON APR 10	0B ON MAR 01	21 600	1971
1973	0 AT 00:00 CST ON MAR 01	2.83 B ON MAR 18	0B ON MAR 01	3 790	1972
1974	34.5 AT 08:05 CST ON APR 19 *	0 ON MAR 01	0 ON MAR 01	0	1973
		31.7 ON APR 19	0B ON MAR 01	34 500	1974
1975	21.0 AT 20:09 CST ON APR 30	20.6 ON APR 30	0B ON MAR 01	36 900	1975
1976	32.8 AT 18:33 CST ON APR 06	32.3 ON APR 07 *	0B ON MAR 01	54 400	1976
1977	0 B AT 00:01 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1977
1978	3.00 AT 12:14 CST ON MAR 31	2.89 ON MAR 31	0B ON MAR 01	2 320	1978
1979	18.6 B AT 17:15 CST ON APR 20	18.0 ON APR 28	0B ON MAR 01	42 700	1979
1980	0.911B AT 13:10 CST ON APR 01	0.740B ON APR 01	0B ON MAR 01	229	1980
1981	0.010B AT 10:30 CST ON MAR 19	0.009B ON MAR 19	0B ON MAR 01	6.31	1981
1982	28.6 B AT 15:15 CST ON APR 17	22.2 B ON APR 17	0B ON MAR 01	16 400	1982
1983	10.4 AT 00:38 CST ON APR 20	10.3 ON APR 20	0B ON MAR 01	15 200	1983
1984	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1984
1985	0.973 AT 03:55 CST ON MAR 19	0.791 ON MAR 19	0B ON MAR 01	538	1985
1986	3.42 AT 04:36 CST ON MAY 11	3.22 ON MAY 11	0 ON JUN 07	4 390	1986
1987	0.337 AT 09:32 CST ON APR 04	0.329 ON APR 04	0B ON MAR 01	273	1987
1988	---	0 ON MAR 01	0 ON MAR 01	0	1988
1989	0.820B AT 22:26 CST ON APR 03	0.688 ON APR 04	0B ON MAR 01	237	1989
1990	0.204 AT 02:52 CST ON APR 03	0.187 ON APR 03	0 ON MAR 01	62.7	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 100	MEAN

MOOSE JAW RIVER NEAR ROULEAU - STATION NO. 05JE004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0	0.080	0.987	---	---	---	---	---	---	---	1944
1945	---	---	0	0	0.002	0.035	0.232	---	---	---	---	---	---	1945
1946	---	---	8.23	1.67	0.003	0.034	---	---	---	---	---	---	---	1946
1947	---	---	0	18.8	1.97	0.379	---	---	---	---	---	---	---	1947
1948	---	---	0	36.9	14.2	0.331	---	---	---	---	---	---	---	1948
1949	---	---	0.002	2.21	0.015	0.016	---	---	---	---	---	---	---	1949
1950	---	---	0.009	14.3	2.38	0.049	---	---	---	---	---	---	---	1950
1951	---	---	0	17.2	13.5	0.387	---	---	---	---	---	---	---	1951
1952	---	---	0.015	20.6	0.272	0.132	---	---	---	---	---	---	---	1952
1953	---	---	1.07	0.876	4.90	40.7	7.47	0.159	0.021	0	---	---	6.44	1953
1954	---	---	0	0.005	0.290	4.07	0.575	1.78	5.21	2.67	---	---	1.81	1954
1955	---	---	0.100	24.8	27.8	1.20	9.16	0.720	0	0	---	---	7.97	1955
1956	---	---	0.997	26.6	2.25	0.148	0.759	0.025	0.001	0	---	---	3.79	1956
1957	---	---	1.97	2.62	0.065	0	0	0	0	0	---	---	0.578	1957
1958	---	---	0.930	3.10	0.007	0.003	0	0	0	0	---	---	0.499	1958
1959	---	---	0.027	0.020	0.003	0.033	1.96	0.008	0	1.42	---	---	0.439	1959
1960	---	---	7.91	15.7	0.565	5.11	2.74	0.059	0	0	---	---	3.97	1960
1961	---	---	1.69	0.175	0.011	0	0	0	0	0	---	---	0.262	1961
1962	---	---	1.91	2.65	0.168	0.287	0.002	0.011	0.005	0	---	---	0.625	1962
1963	---	---	1.16	0.249	0.070	0.037	3.78	0.050	0.114	0.004	---	---	0.748	1963
1964	---	---	0	1.93	0.433	0.579	0.066	0.006	0	0	---	---	0.372	1964
1965	---	---	0	3.32	7.00	4.80	0.483	0.014	0.014	0.006	---	---	1.94	1965
1966	---	---	1.76	0.652	0.243	0.011	0.007	0.012	0.019	0.371	---	---	0.366	1966
1967	---	---	0.002	12.7	2.63	0.046	0.003	0	0.002	0.222	---	---	1.92	1967
1968	---	---	0.990	0.202	0.003	0	0	0.138	0.081	0.052	---	---	0.184	1968
1969	---	---	0	37.3	5.79	0.467	0.784	0.085	0	0.277	---	---	5.51	1969
1970	---	---	0.212	12.7	27.2	3.35	0.506	0.013	0	0.111	---	---	5.51	1970
1971	---	---	0	25.6	2.01	0.145	0.605	0.024	0	0.096	---	---	3.50	1971
1972	---	---	7.00	2.01	0.930	1.15	0.107	0.032	0.002	0	---	---	1.41	1972
1973	---	---	0.004	0.033	0.058	0.176	0.017	0.002	0	0	---	---	0.036	1973
1974	---	---	0	39.0	20.4	2.14	0.201	3.07	0.471	0.046	---	---	8.09	1974
1975	---	---	0.032	21.5	29.0	1.60	0.511	0.020	0.007	0.001	---	---	5.43	1975
1976	---	---	6.11	45.3	2.71	4.89	1.51	0.795	0.113	0.113	---	---	8.08	1976
1977	---	---	0.010	0.104	0.507	0.015	0.146	0.003	0	0	---	---	0.099	1977
1978	---	---	1.08	4.10	0.632	0.066	0.018	0.001	0	0	---	---	0.729	1978
1979	---	---	0	19.4	20.2	1.53	4.46	0.051	0	0	---	---	5.69	1979
1980	---	---	0.016	1.74	0	0.001	0.005	0	0	0	---	---	0.216	1980
1981	---	---	0.017	0.003	0	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	28.5	5.76	1.63	3.96	0.224	0	0	---	---	4.69	1982
1983	---	0.032	0.798	22.4	4.35	0.329	0.085	0	0	0	---	---	3.45	1983
1984	---	---	0.010	0.044	0	0	0	0	0	0	---	---	0.007	1984
1985	---	---	1.53	1.00	0	0	0	0	0	0	---	---	0.316	1985
1986	---	---	2.17	0.708	4.88	0.089	0.047	0.003	0	0	---	---	0.996	1986
1987	---	---	0.104	0.209	0	0	0	0.169	0	0	---	---	0.060	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.605	0.032	0.552	0.093	0	0	0	---	---	0.158	1989
1990	---	---	0	0.243	0.008	0.007	0.064	0.022	0	0	---	---	0.042	1990
MEAN	---	0.032	1.02	10.1	4.03	1.67	1.04	0.196	0.159	0.142	---	---	2.26	MEAN

LOCATION - LAT 50 11 29 N DRAINAGE AREA, 2 990 km²
LONG 104 59 08 W REGULATED

REMARKS - RECORDS WERE COLLECTED AT SE16-14-22-W2 FROM 1944-73, AND AT NE17-14-22-W2 FROM 1974-75

MOOSE JAW RIVER NEAR ROULEAU - STATION NO. 05JE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	2.55 ON JUN 17	0 ON MAR 01 *	---	1944
1945	---	1.56 ON JUL 25	0 ON MAR 01	---	1945
1946	---	21.7 ON MAR 29	0 ON MAR 01	---	1946
1947	---	44.2 ON APR 12	0B ON MAR 01	---	1947
1948	---	151 ON APR 23	0B ON MAR 01	---	1948
1949	---	10.3 B ON APR 05	0B ON MAR 01	---	1949
1950	---	53.5 ON APR 19	0B ON MAR 01	---	1950
1951	---	30.9 ON MAY 02	0B ON MAR 01	---	1951
1952	---	45.6 ON APR 07	0B ON MAR 01	---	1952
1953	98.5 AT 22:00 CST ON JUN 06	95.7 ON JUN 06	0B ON MAR 01	136 000	1953
1954	---	18.8 ON SEP 17	0B ON MAR 01	38 300	1954
1955	---	91.7 ON MAY 07	0B ON MAR 01	169 000	1955
1956	82.1 AT 02:00 CST ON APR 14	73.9 ON APR 13	0B ON MAR 01	80 200	1956
1957	---	10.6 B ON MAR 31	0B ON MAR 01	12 200	1957
1958	15.9 B AT 10:30 CST ON APR 01	12.7 B ON APR 01	0 ON MAR 01	10 600	1958
1959	10.3 AT 12:00 CST ON JUL 02	10.1 ON JUL 02	0B ON MAR 01	9 300	1959
1960	---	42.5 ON APR 01	0B ON MAR 01	84 000	1960
1961	---	5.00 B ON MAR 19	0B ON MAR 01	5 550	1961
1962	---	14.0 B ON MAR 29	0B ON MAR 01	13 200	1962
1963	---	12.3 ON JUL 15	0B ON MAR 01	16 700	1963
1964	---	8.24 B ON APR 05	0B ON MAR 01	7 860	1964
1965	---	21.1 ON MAY 31	0B ON MAR 01	41 200	1965
1966	---	5.44 B ON MAR 21	0B ON MAR 01	8 180	1966
1967	45.0 AT 13:30 CST ON APR 11	44.7 ON APR 11	0B ON MAR 01	40 700	1967
1968	---	2.14 B ON MAR 20	0B ON MAR 01	3 900	1968
1969	140 AT 05:00 CST ON APR 12	139 ON APR 12	0B ON MAR 01	117 000	1969
1970	---	70.5 ON MAY 07	0B ON MAR 01	117 000	1970
1971	73.3 AT 04:00 CST ON APR 10	70.8 ON APR 10	0B ON MAR 01	74 100	1971
1972	24.9 AT 12:00 CST ON MAR 23	24.9 ON MAR 23	0B ON MAR 01	29 800	1972
1973	0.351 AT 16:05 CST ON JUN 10	0.348 ON JUN 10	0B ON MAR 01	759	1973
1974	180 AT 20:30 CST ON APR 20 *	162 ON APR 20 *	0B ON MAR 01	171 000	1974
1975	66.8 AT 14:45 CST ON APR 23	66.3 ON APR 23	0B ON MAR 01	115 000	1975
1976	107 AT 06:14 CST ON APR 05	106 ON APR 04	0B ON MAR 01	171 000	1976
1977	9.12 AT 04:06 CST ON MAY 24	5.80 ON MAY 23	0B ON MAR 01	2 090	1977
1978	22.8 AT 05:32 CST ON MAR 31	22.1 ON MAR 31	0B ON MAR 01	15 400	1978
1979	73.9 AT 10:49 CST ON APR 22	73.1 ON APR 22	0B ON MAR 01	120 000	1979
1980	---	3.85 B ON APR 05	0B ON MAR 01	4 570	1980
1981	0.061B AT 07:10 CST ON MAR 21	0.055B ON MAR 21	0B ON MAR 01	53.8	1981
1982	108 AT 10:00 CST ON APR 17	102 ON APR 17	0B ON MAR 01	99 300	1982
1983	36.7 B AT 12:15 CST ON APR 07	36.4 ON APR 13	0 ON JUN 25	73 000	1983
1984	0.649B AT 04:29 CST ON APR 01	0.588B ON APR 01	0B ON MAR 01	140	1984
1985	10.8 B AT 10:01 CST ON MAR 21	9.33 B ON MAR 21	0B ON MAR 01	6 690	1985
1986	16.1 AT 16:23 CST ON MAY 13	15.9 ON MAY 13	0 ON JUL 21	21 100	1986
1987	2.07 AT 04:29 CST ON AUG 02	1.71 ON AUG 02	0B ON MAR 01	1 270	1987
1988	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1988
1989	2.76 AT 11:26 CST ON JUN 20	2.71 ON JUN 20	0B ON MAR 01	3 340	1989
1990	1.87 AT 08:04 CST ON APR 16	1.35 ON APR 16	0B ON MAR 01	898	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		47 900	MEAN

MOOSE MOUNTAIN CREEK ABOVE KISBEY IRRIGATION PROJECT - STATION NO. 05NC003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0	1.56	0.267	0.186	0.107	0.003	0	0	---	---	0.272	1960
1961	---	---	0.031	0.120	0.144	0.053	0.001	0	0	0.007	---	---	0.044	1961
1962	---	---	0	0.122	0.110	0.098	0.019	0.001	0.004	0.002	---	---	0.044	1962
1963	---	---	0.133	0.110	0.111	0.134	0.165	0.031	0.013	0.008	---	---	0.088	1963
1964	---	---	0	0.757	0.273	0.430	0.110	0.017	0.012	0.023	---	---	0.200	1964
1965	---	---	0	0.597	0.284	0.147	0.111	0.110	0.041	0.060	---	---	0.168	1965
1966	---	---	0.384	0.923	0.203	0.126	0.027	0.010	0.007	0.005	---	---	0.209	1966
1967	---	---	0	1.24	0.822	0.304	0.111	0.014	0.002	0.010	---	---	0.311	1967
1968	---	---	0.420	0.145	0.140	0.059	0.006	0.014	0.026	0.020	---	---	0.104	1968
1969	---	---	0	8.67	2.38	0.621	0.336	0.198	0.015	0.107	---	---	1.52	1969
1970	---	---	0	2.96	4.19	1.83	0.782	0.589	0.396	0.361	0.376	0.150	1.38	1970
1971	0.010	0	0.039	6.69	1.43	0.526	0.728	0.010	0.015	0.114	0.133	0.070	1.18	1971
1972	0	0	1.74	2.13	1.10	0.327	0.091	0.102	0.038	0.064	0.081	0.023	0.696	1972
1973	---	---	0.145	0.245	0.238	0.342	0.055	0.008	0.055	0.112	---	---	0.149	1973
MEAN	0.005	0	0.207	1.88	0.835	0.370	0.195	0.079	0.045	0.064	0.197	0.081	0.455	MEAN

LOCATION - LAT 49 41 06 N LONG 102 47 46 W DRAINAGE AREA, 3 290 km^2 REGULATED

MOOSE MOUNTAIN CREEK ABOVE KISBEY IRRIGATION PROJECT - STATION NO. 05NC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	9.23 AT 08:30 CST ON APR 07	9.09 ON APR 07	0B ON MAR 01 *	5 760	1960
1961	---	0.348 ON MAY 14	0 ON MAR 01	937	1961
1962	---	0.609B ON APR 19	0B ON MAR 01	931	1962
1963	1.19 AT 01:30 CST ON MAR 28	0.991 ON MAR 28	0 ON MAR 01	1 960	1963
1964	---	2.24 A ON APR 08	0B ON MAR 01	4 240	1964
1965	4.90 E AT 12:00 CST ON APR 16	3.96 E ON APR 16	0B ON MAR 01	3 550	1965
1966	---	3.80 B ON APR 04	0B ON MAR 01	4 420	1966
1967	4.62 B AT 19:15 CST ON APR 04	3.85 B ON APR 05	0B ON MAR 01	6 540	1967
1968	---	1.44 B ON MAR 18	0B ON MAR 01	2 200	1968
1969	29.7 A AT 15:30 CST ON APR 11 *	29.4 A ON APR 11 *	0B ON MAR 01	32 200	1969
1970	8.30 AT 18:00 CST ON MAY 07	8.27 ON MAY 07	0B ON MAR 01	29 300	1970
1971	23.9 B AT 22:40 CST ON APR 09	18.9 B ON APR 10	0B ON MAR 01	25 000	1971
1972	---	8.81 B ON MAR 27	0B ON MAR 01	14 700	1972
1973	0.640 AT 09:45 CST ON JUN 06	0.617 ON JUN 07	0B ON MAR 01	3 160	1973
				9 630	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE MOUNTAIN CREEK BELOW KISBEY IRRIGATION PROJECT - STATION NO. 05NC004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0	1.11	0.380	0.203	0.058	0	0	0	---	---	0.216	1960
1961	---	---	0	0.004	0.081	0.002	0	0	0	0	---	---	0.011	1961
1962	---	---	0	0	0	0.019	0	0	0	0	---	---	0.002	1962
1963	---	---	0	0.059	0.014	0.059	0.409	0.089	0.008	0	---	---	0.080	1963
1964	---	---	0	0.821	0.530	0.397	0.149	0.027	0	0	---	---	0.239	1964
1965	---	---	0	0.157	0.497	0.240	0.087	0.005	0.003	0.001	---	---	0.124	1965
1966	---	---	0.005	1.50	0.158	0.087	0.003	0	0	0	---	---	0.216	1966
1967	---	---	0	0.385	0.725	0.005	0.001	0	0	0	---	---	0.116	1967
1968	---	---	0.166	0.226	0.047	0.036	0	0.000	0	0.003	---	---	0.040	1968
1969	---	---	0	8.67	2.26	0.272	0.279	0.101	0.012	0.007	---	---	0.060	1969
1970	---	---	0	1.90	4.73	1.40	0.441	0.073	0.109	0.318	0.260	0.086	1.43	1970
1971	0	0	0	5.93	2.08	0.342	0.337	0.102	0	0.026	0.070	0.008	1.12	1971
1972	0	0	0.820	2.55	1.20	0.771	0.115	0.002	0	0	0.001	0	1.09	1972
1973	---	---	0.027	0.156	0.179	0.157	0.015	0	0.005	0.054	---	---	0.677	1973
MEAN	0	0	0.073	1.68	0.920	0.285	0.135	0.029	0.010	0.029	0.110	0.031	0.074	MEAN
													0.391	MEAN

LOCATION - LAT 49 37 02 N LONG 102 35 33 W DRAINAGE AREA, 3 600 km^2 REGULATED

MOOSE MOUNTAIN CREEK BELOW KISBEY IRRIGATION PROJECT - STATION NO. 05NC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	5.86 ON APR 10	0B ON MAR 01 *	4 570	1960
1961	0.144 AT 08:00 CST ON MAY 11	0.136 ON MAY 11	0 ON MAR 01	234	1961
1962	0.119 AT 13:00 CST ON JUN 20	0.113 ON JUN 19	0 ON MAR 01	49.3	1962
1963	2.20 AT 09:00 CST ON JUL 19	2.14 ON JUL 19	0 ON MAR 01	1 700	1963
1964	1.61 AT 24:00 CST ON APR 24	1.59 ON APR 24	0B ON MAR 01	5 050	1964
1965	1.41 AT 15:00 CST ON MAY 06	1.32 ON MAY 06	0B ON MAR 01	2 620	1965
1966	3.82 AT 08:30 CST ON APR 04	2.92 ON APR 04	0B ON MAR 01	4 570	1966
1967	1.65 AT 20:00 CST ON APR 30	1.50 ON MAY 01	0B ON MAR 01	2 960	1967
1968	1.32 AT 17:00 CST ON MAR 28	1.20 ON MAR 28	0B ON MAR 01	1 180	1968
1969	21.0 B AT 11:44 CST ON APR 15 *	20.7 B ON APR 14 *	0B ON MAR 01	30 300	1969
1970	7.25 AT 21:50 CST ON MAY 12	6.99 ON MAY 13	0B ON MAR 01	23 700	1970
1971	14.5 AT 13:00 CST ON APR 13	14.0 ON APR 13	0B ON MAR 01	23 100	1971
1972	9.15 B AT 12:29 CST ON MAR 27	6.99 B ON MAR 27	0B ON MAR 01	14 300	1972
1973	0.244 AT 11:50 CST ON JUN 04	0.238 ON JUN 04	0B ON MAR 01	1 560	1973
				8 290	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE MOUNTAIN CREEK BELOW MOOSE MOUNTAIN LAKE - STATION NO. 05NC001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0.006	0.116	0.204	0.036	0.009	0.006	0.012	0.024	---	---	0.052	1959
1960	---	---	0.021	0.453	0.025	0.019	0.009	0.006	0.004	0.006	---	---	0.067	1960
1961	---	---	0	0.005	0.015	0.010	0.002	0	0.012	0.014	---	---	0.007	1961
1962	---	---	0	0.016	0.006	0.009	0.002	0.001	0	0	---	---	0.004	1962
1963	---	---	0.007	0.008	0.009	0.008	0.004	0.002	0.004	0.003	---	---	0.006	1963
1964	---	---	0	0.375	0.028	0.024	0.016	0.009	0.004	0.004	---	---	0.057	1964
1965	---	---	0	0.044	0.017	0.009	0.005	0.003	0.010	0.007	---	---	0.012	1965
1966	---	---	0.335	0.200	0.072	0.040	0.026	0.022	0.024	0.064	---	---	0.098	1966
1967	---	---	0.076	0.925	0.566	0.113	0.028	0.016	0.011	0.016	---	---	0.217	1967
1968	---	---	0.310	0.030	0.028	0.012	0.014	0.018	0.010	0.011	---	---	0.055	1968
1969	---	---	0	5.12	0.989	0.115	0.087	0.016	0.013	0.014	---	---	0.783	1969
1970	---	---	0	2.42	2.73	1.17	0.888	0.640	0.176	0.195	---	---	1.02	1970
1971	---	---	0.114	5.60	1.04	0.225	0.152	0.013	0.017	0.015	---	---	0.884	1971
1972	---	---	1.12	1.12	0.420	0.084	0.021	0.030	0.016	0.012	---	---	0.352	1972
1973	---	---	0.160	0.093	0.015	0.047	0.013	0.010	0.076	0.013	---	---	0.053	1973
1974	---	---	0	7.03	2.94	0.444	0.001	0.025	0.002	0.011	---	---	1.29	1974
1975	---	---	0.003	11.2	3.70	1.04	0.149	0.017	0.062	0.016	---	---	2.63	1975
1976	---	---	0.027	14.3	5.16	1.58	0.720	0.270	0.033	0.028	---	---	2.35	1976
1977	---	---	0.122	0.523	0.393	0.100	0.023	0.009	0.050	0.589	0.027	---	0.227	1977
1978	---	---	0.230	0.435	0.337	0.141	0.106	0.021	0.023	0.018	---	---	0.163	1978
1979	---	---	0	5.64	5.27	0.570	0.031	0.009	0.016	0.017	---	---	1.44	1979
1980	---	---	0.215	0.967	0.141	0.021	0.008	0.079	0.012	0.010	---	---	0.180	1980
1981	---	---	0.009	0.013	0.019	0.022	0.005	0.008	0.002	0.009	---	---	0.011	1981
1982	---	---	0.012	1.43	0.694	0.053	0.232	0.581	0.049	0.085	---	---	0.390	1982
1983	---	---	0.016	5.35	3.44	0.386	0.118	0.014	0.010	0.015	---	---	1.16	1983
1984	---	---	0.033	0.026	0.032	0.015	0.004	0.004	0.007	0.014	---	---	0.017	1984
1985	---	---	0.804	2.12	0.375	0.096	0.022	0.021	0.021	0.021	---	---	0.431	1985
1986	---	---	0.632	0.345	0.308	0.141	0.048	0.013	0.014	0.018	---	---	0.190	1986
1987	---	---	0.247	0.205	0.067	0.018	0.012	0.010	0.014	0.012	---	---	0.073	1987
1988	---	---	0.011	0.021	0.028	0.012	0.004	0.005	0.003	0.007	---	---	0.011	1988
1989	---	---	0.001	0.021	0.008	0.003	0	0	0.005	0.007	---	---	0.006	1989
1990	---	---	0.310	0.075	0.013	0.012	0.019	0.007	0.007	0.004	---	---	0.056	1990
MEAN	---	---	0.151	2.07	0.972	0.204	0.087	0.059	0.022	0.040	0.027	---	0.447	MEAN

LOCATION - LAT 49 52 23 N DRAINAGE AREA, 2 310 km²
LONG 103 00 54 W REGULATED

MOOSE MOUNTAIN CREEK BELOW MOOSE MOUNTAIN LAKE - STATION NO. 05NC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	---	0.640 ON MAY 02	0 B ON MAR 01 *	1 090	1959
1960	---	3.91 B ON APR 04	0 B ON MAR 01	1 410	1960
1961	---	0.082 ON SEP 09	0 B ON MAR 01	154	1961
1962	---	0.068B ON APR 04	0 B ON MAR 01	89.7	1962
1963	---	0.031B ON MAR 23	0 B ON MAR 01	117	1963
1964	---	3.99 B ON APR 04	0 B ON MAR 01	1 200	1964
1965	---	0.147 ON APR 14	0 B ON MAR 01	248	1965
1966	---	3.65 B ON MAR 31	0 B ON MAR 01	2 070	1966
1967	---	1.32 B ON APR 22	0 B ON MAR 01	4 600	1967
1968	---	2.80 B ON MAR 08	0 B ON MAR 01	1 150	1968
1969	---	14.2 B ON APR 11	0 B ON MAR 01	16 600	1969
1970	---	6.82 ON MAY 02	0 B ON MAR 01	21 600	1970
1971	---	9.88 B ON APR 08	0 B ON MAR 01	18 700	1971
1972	---	2.81 B ON MAR 28	0 B ON MAR 01	7 440	1972
1973	---	0.442B ON MAR 18	0 B ON MAR 01	1 120	1973
1974	---	21.8 ON APR 21	0 B ON MAR 01	27 300	1974
1975	---	46.2 ON APR 23 *	0.001 ON JUL 28	55 600	1975
1976	29.7 AT 21:21 CST ON APR 09 *	29.4 ON APR 09	0.011 ON OCT 23	49 800	1976
1977	---	0.900E ON APR 15	0.001 ON AUG 07	4 810	1977
1978	2.33 B AT 07:50 CST ON MAR 29	2.07 B ON MAR 29	0 B ON MAR 01	3 460	1978
1979	19.5 B AT 02:00 CST ON APR 22	18.6 B ON APR 22	0 B ON MAR 01	30 400	1979
1980	3.37 B AT 08:39 CST ON MAR 30	2.57 B ON MAR 30	0 B ON MAR 01	3 800	1980
1981	0.138 AT 17:03 CST ON OCT 30	0.093 ON JUN 15	0 ON JUL 29	229	1981
1982	8.53 B AT 08:12 CST ON APR 14	7.85 B ON APR 14	0 ON JUN 13	8 260	1982
1983	18.2 AT 07:26 CST ON APR 22	17.8 ON APR 22	0.002 ON SEP 03	24 600	1983
1984	0.150B AT 05:57 CST ON MAR 25	0.141B ON MAR 25	0 ON JUL 05	355	1984
1985	6.68 B AT 10:17 CST ON MAR 22	5.65 B ON MAR 22	0 B ON MAR 01	9 120	1985
1986	1.69 B AT 22:07 CST ON MAR 05	1.17 B ON MAR 04	0.001B ON MAR 01	4 030	1986
1987	1.56 B AT 09:13 CST ON MAR 24	1.11 B ON MAR 23	0.005 ON AUG 26	1 550	1987
1988	0.133 AT 06:57 CST ON MAY 07	0.073 ON MAY 07	0 ON SEP 09	241	1988
1989	0.068 AT 06:53 CST ON OCT 27	0.046B ON APR 05	0 B ON MAR 01	118	1989
1990	---	1.67 B ON MAR 31	0 B ON MAR 01	1 190	1990
				9 450	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

MOOSE MOUNTAIN CREEK NEAR GLENAVON - STATION NO. 05NC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.010	3.00	0.474	0.115	0.067	0.017	0	0	---	---	---	1971
MEAN	---	---	0.010	3.00	0.474	0.115	0.067	0.017	0	0	---	---	---	MEAN

LOCATION - LAT 50 06 20 N DRAINAGE AREA, 1 020 km²
LONG 103 08 25 W NATURAL FLOW

MOOSE MOUNTAIN CREEK NEAR GLENAVON - STATION NO. 05NC005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
				---	MEAN

MOOSE MOUNTAIN CREEK NEAR OXBOW - STATION NO. 05ND004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---						
1914	---	---	---	6.34	3.01	2.02	0.540	0.076	0.090 0.111	0.129 0.036	0.142 ---	0.065 ---	--- ---	1913 1914
1915	---	---	0.002	0.267	0.236	0.236	0.228	0.019	0	0			0.123	1915
1916	---	---	---	---	3.75	1.40	0.811	0.138	0.003	0.148	---	---	---	1916
1917	---	---	---	---	4.93	0.988	0.311	0.003	0.001	0	---	---	---	1917
1933	---	---	---	1.04	0.391	0.128	0	0	0					
1934	---	---	---	1.05	0.152	0	0	0	0	---	---	---	---	1933 1934
1935	---	---	---	0.797	0.286	0.171	0.975	0.024						
1936	---	---	---	---	1.17	0.083	0	0	0	---	---	---	---	1935
1937	---	---	---	---	0.017	0	0	0	0	---	---	---	---	1936
1938	---	---	---	0.169	0.017	0	0.011	0	0	---	---	---	---	1937
1939	---	---	---	1.43	0.047	0	0.032	0	0	---	---	---	---	1938 1939
1940	---	---	---	0.029	0.025	0	0	0	0	---	---	---	---	
1941	---	---	---	0.591	0.076	0.057	0	0	0	---	---	---	---	1940
1942	---	---	---	---	0.430	0.192	0.057	0.249	0.122	0.071	---	---	---	1941
1943	---	---	---	12.4	2.48	0.762	0.253	0.045	0	0	---	---	---	1942
1944	---	---	---	0.414	0.320	0.709	0.655	0.264	0.076	0.045	---	---	---	1943 1944
1945	---	---	---	0.202	0.105	0.288	0.599	0.069	0.050	0.073	---	---	---	
1946	---	---	---	1.38	0.374	0.258	0.101	---	---	---	---	---	---	1945
1947	---	---	---	17.5	3.62	2.22	0.984	0.226	0.074	0.074	---	---	---	1946
1948	---	---	---	---	9.54	0.104	0.194	0.069	0.001	0	---	---	---	1947
1949	---	---	---	4.79	0.424	0.494	0.064	0.063	0	0	---	---	---	1948 1949
1950	---	---	---	6.81	1.78	0.680	0.454	0.837	0.098	0.109				
1951	---	---	---	8.93	3.72	0.505	0.141	0.040	0.100	0.236	---	---	---	1950
1952	---	---	---	2.20	0.501	0.276	0.244	0.012	0.112	0.093	---	---	---	1951
1953	---	---	---	6.79	1.88	4.20	1.85	0.405	0.095	0.061	---	---	---	1952
1954	---	---	---	2.26	1.95	8.90	3.45	0.660	1.04	1.13	1.24	---	---	1953 1954
1955	---	---	---	22.0	10.2	6.49	3.21	0.984	0.580	0.813	---	---	---	
1956	---	---	0.952	21.7	6.29	2.29	1.58	1.23	0.202	0.452	---	---	---	1955
1957	---	---	3.00	5.90	2.20	0.926	0.253	0.664	0.184	0.089	---	---	4.29	1956
1958	---	---	3.65	6.61	0.453	0.044	0.004	0	0	0	---	---	1.64	1957
1959	---	---	0.678	0.171	0.134	0.123	0.060	0.007	0.009	0.026	---	---	1.33 0.152	1958 1959
1960	---	---	0.189	6.98	0.591	0.259	0.035	0.001	0	0				
1961	---	---	0.054	0.024	0.074	0.117	0	0	0	0	---	---	0.990	1960
1962	---	---	0.077	0.071	0.003	0.018	0.001	0	0	0	---	---	0.033	1961
1963	---	---	1.61	0.138	0.152	0.253	0.313	0.124	0.139	0.009	---	---	0.021	1962
1964	---	---	0.001	3.57	1.02	0.244	0.166	0.013	0	0	---	---	0.344 0.619	1963 1964
1965	---	---	0	1.24	0.895	0.655	0.652	0.309	0.162	0.033				
1966	---	---	2.99	3.61	0.755	0.166	0.028	0	0	0	---	---	0.492	1965
1967	---	---	0.014	1.17	0.862	0.144	0.007	0	0	0	---	---	0.241	1966
1968	---	---	1.46	0.304	0.097	0.006	0	0.002	0.001	0	---	---	0.273	1967
1969	---	---	0	26.2	2.53	0.282	1.55	0.306	0.017	0.101	---	---	0.235 3.62	1968 1969
1970	---	---	0.146	8.32	8.12	1.70	1.31	0.099	0.006	0.274	---	---	2.49	1970
1971	0	0	0.352	9.94	4.99	0.621	0.662	0.032	0.012	0.045	0.034	0.002	1.69	1971
1972	0	0	7.17	7.25	1.91	1.17	0.119	0.123	0.023	0.005	0.005	0	2.21	1972
1973	0	0	0.524	0.272	0.252	0.241	0.018	0	0	0.021	0.059	0.012	0.166	1973
1974	---	---	0	22.8	7.94	1.44	0.287	0.034	0.011	0	---	---	4.02	1974
1975	---	---	0	17.4	19.1	4.97	0.717	0.854	2.30	0.682	---	---	5.72	1975
1976	---	---	0.377	51.5	6.36	2.86	1.81	0.588	0.152	0.045	0.087	---	7.84	1976
1977	---	---	0.152	0.812	0.753	0.363	0.016	0	0	0.042	0.244	---	0.266	1977
1978	---	---	0.661	2.65	1.09	0.431	0.227	0.012	0.041	0.019	---	---	0.636	1978
1979	---	---	0	15.6	9.66	1.78	0.352	0.013	0	0	---	---	3.40	1979
1980	---	---	0.034	3.48	0.440	0.036	0.001	0	0.004	0.001	---	---	0.492	1980
1981	---	0.295	0.088	0.070	0.040	0.004	0	0	0	0	---	---	0.025	1981
1982	---	---	0	11.7	4.37	0.242	0.061	0.026	0	0.006	---	---	1.64	1982
1983	---	---	0.048	0.36	0.38	0.650	0.130	0	0	0	---	---	1.81	1983
1984	---	---	1.18	0.351	0.140	0.001	0	0	0	0	---	---	0.210	1984
1985	---	---	3.71	2.50	0.647	0.088	0.028	0.001	0.002	0.016	---	---	0.874	1985
1986	---	---	2.18	0.793	0.600	0.291	0.430	0.097	0.003	0.016	---	---	0.553	1986
1987	---	---	3.81	4.37	0.128	0.060	0	0	0	0	---	---	1.04	1987
1988	---	---	0	0.002	0.001	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.726	0.012	0	0	0	0	0	---	---	0.090	1989
1990	---	---	0.909	0.769	0.029	0	0.203	0.001	0	0	---	---	0.239	1990
MEAN	0	0.074	1.00	6.16	2.30	0.891	0.422	0.143	0.095	0.092	0.259	0.020	1.41	MEAN

LOCATION - LAT 49 13 58 N DRAINAGE AREA, 6 060 km^2
LONG 102 13 41 W REGULATED

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	0.487 ON JUL 13	0 ON MAR 01 *	2 600	1915
1916	---	---	---	---	1916
1917	---	---	0 ON OCT 13	---	1917
1933	---	---	0 ON JUN 29	---	1933
1934	---	---	0 ON JUN 01	---	1934
1935	---	---	0 ON JUN 28	---	1935
1936	---	---	0 ON JUN 23	---	1936
1937	---	---	0 ON MAY 13	---	1937
1938	---	---	0 ON MAY 16	---	1938
1939	---	37.9 B ON MAR 25	0 ON MAY 30	---	1939
1940	---	0.193 ON APR 15	0 B ON APR 01	---	1940
1941	---	2.41 ON APR 02	0 ON JUN 25	---	1941
1942	---	---	---	---	1942
1943	---	---	---	---	1943
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	80.1 ON MAR 27	0 ON AUG 08	---	1946
1947	---	---	---	---	1947
1948	---	86.7 ON APR 21	0 ON SEP 04	---	1948
1949	---	---	---	---	1949
1950	---	---	---	---	1950
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	67.7 ON APR 12	0 B ON MAR 01	90 800	1956
1957	---	20.7 B ON MAR 23	0 B ON MAR 01	14 800	1957
1958	---	38.7 B ON MAR 31	0 B ON MAR 01	28 200	1958
1959	5.41 B AT 18:30 CST ON MAR 19	3.77 ON MAR 20	0 B ON MAR 01	3 210	1959
1960	---	44.2 B ON APR 05	0 B ON MAR 01	20 900	1960
1961	3.82 E AT 12:00 CST ON JUN 01	1.34 E ON JUN 01	0 B ON MAR 01	706	1961
1962	3.11 AT 01:00 CST ON MAR 31	1.13 ON MAR 31	0 ON MAR 01	447	1962
1963	---	12.5 B ON MAR 23	0 B ON MAR 01	7 290	1963
1964	16.1 B AT 21:00 CST ON APR 03	11.9 B ON APR 04	0 B ON MAR 01	13 100	1964
1965	15.5 AT 05:00 CST ON JUL 22	10.2 B ON APR 13	0 B ON MAR 01	10 400	1965
1966	40.2 B AT 18:00 CST ON MAR 31	33.1 B ON MAR 31	0 ON MAR 01	19 900	1966
1967	8.30 B AT 13:30 CST ON APR 09	5.52 B ON APR 09	0 B ON MAR 01	5 770	1967
1968	8.92 B AT 00:30 CST ON MAR 19	4.84 B ON MAR 19	0 ON MAR 01	4 980	1968
1969	---	113 B ON APR 10	0 B ON MAR 01	80 800	1969
1970	47.6 AT 13:00 CST ON APR 30	40.8 ON APR 30	0 B ON MAR 01	52 700	1970
1971	33.7 B AT 16:26 CST ON APR 08	23.9 B ON APR 08	0 B ON MAR 01	35 800	1971
1972	---	42.2 B ON MAR 22	0 B ON MAR 01	46 900	1972
1973	2.01 B AT 14:37 CST ON MAR 13	1.80 B ON MAR 13	0 B ON MAR 01	3 510	1973
1974	146 AT 06:41 CST ON APR 10	123 ON APR 10	0 B ON MAR 01	85 100	1974
1975	80.4 AT 14:23 CST ON APR 29	75.6 ON APR 29	0 B ON MAR 01	121 000	1975
1976	215 AT 07:58 CST ON APR 09 *	181 ON APR 09 *	0.020 ON OCT 16	166 000	1976
1977	1.94 AT 17:52 CST ON APR 15	1.87 ON APR 15	0 ON JUL 20	5 620	1977
1978	17.3 B AT 22:36 CST ON MAR 31	10.8 B ON APR 01	0 B ON MAR 01	13 500	1978
1979	99.8 B AT 09:30 CST ON APR 21	88.3 B ON APR 21	0 B ON MAR 01	72 000	1979
1980	---	16.0 B ON APR 02	0 B ON MAR 01	10 400	1980
1981	---	0.370B ON MAR 01	0 ON JUN 03	533	1981
1982	116 AT 10:20 CST ON APR 15	99.5 B ON APR 15	0 B ON MAR 01	34 800	1982
1983	36.4 AT 11:31 CST ON APR 20	31.3 ON APR 20	0 B ON MAR 01	38 300	1983
1984	6.49 B AT 12:21 CST ON MAR 24	5.66 B ON MAR 24	0 B ON MAR 13	4 450	1984
1985	25.1 B AT 19:00 CST ON MAR 18	19.3 B ON MAR 19	0 B ON MAR 01	18 500	1985
1986	12.2 B AT 17:15 CST ON MAR 03	10.4 B ON MAR 04	0.001 ON SEP 06	11 700	1986
1987	28.6 B AT 10:34 CST ON APR 02	25.4 B ON APR 02	0 B ON MAR 01	22 000	1987
1988	0.030 AT 17:05 CST ON MAY 03	0.008 ON APR 09	0 B ON MAR 01	8.38	1988
1989	5.62 B AT 21:41 CST ON APR 02	2.57 B ON APR 03	0 B ON MAR 01	1 910	1989
1990	7.42 B AT 00:49 CST ON APR 01	6.64 B ON MAR 15	0 B ON MAR 01	5 050	1990
				29 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MORIN CREEK NEAR MEADOW LAKE - STATION NO. 06AD008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	0.968	0.367	---	---	---	---	---	---	---	---	1965
1968	---	---	0.725	---	---	---	---	---	---	---	---	---	---	1968
1970	---	---	---	2.60	---	---	---	---	---	---	---	---	---	1970
1976	---	---	0.005	0.758	0.119	0.024	0.004	0.001	0	0	---	---	0.112	1976
1977	---	---	0	0.300	0.328	0.169	0.030	0.005	0.010	0.004	---	---	0.105	1977
1978	---	---	0	1.01	2.01	0.211	0	0	0	0	---	---	0.403	1978
1979	---	---	0	1.35	0.924	0.214	0.006	0	0	0	---	---	0.309	1979
1980	---	---	0	0.739	0.005	0	0	0	0	0	---	---	0.091	1980
1981	---	---	0.019	0.160	0.046	0.001	0	0	0	0	---	---	0.028	1981
1982	---	---	0	1.45	0.467	0	0	0	0	0	---	---	0.236	1982
1983	---	---	0	0.569	0.015	0	0	0	0	0	---	---	0.072	1983
1984	---	---	0.139	0.751	1.14	1.53	0.181	0.037	0.047	0.100	---	---	0.488	1984
1985	---	---	0.016	2.19	1.76	0.362	0.004	0	0	0.002	---	---	0.538	1985
1986	---	---	0.696	1.26	0.202	0.089	0.157	1.59	0.208	0.117	---	---	0.541	1986
1987	---	---	0.018	1.44	0.161	0.003	0	0	0	0	---	---	0.172	1987
1988	---	---	0.001	0.773	0.055	0.019	0.293	2.20	2.51	0.377	---	---	0.774	1988
1989	---	---	0	0.853	0.132	0.070	0.129	0.001	0.021	0.016	---	---	0.151	1989
1990	---	---	0.023	2.17	0.362	0.001	0.015	0	0	0	---	---	0.316	1990
MEAN	---	---	0.103	1.12	0.506	0.180	0.055	0.256	0.186	0.041	---	---	0.289	MEAN

LOCATION - LAT 54 09 55 N
LONG 108 34 38 W
DRAINAGE AREA, 167 km²
NATURAL FLOW

REMARKS - PRIOR TO 1978, DATA COLLECTED APPROX. 2.0 KM UPSTREAM IN SE02-60-18-W3

MORIN CREEK NEAR MEADOW LAKE - STATION NO. 06AD008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1968	---	---	---	---	1968
1970	---	---	---	---	1970
1976	---	2.83 B ON APR 04	0B ON MAR 01 *	2 370	1976
1977	---	1.54 B ON APR 09	0B ON MAR 01	2 220	1977
1978	---	5.66 B ON APR 11	0B ON MAR 01	8 530	1978
1979	---	6.83 B ON APR 26	0B ON MAR 01	6 540	1979
1980	---	4.20 ON APR 14	0B ON MAR 01	1 930	1980
1981	0.328B AT 08:50 CST ON APR 02	0.327B ON APR 02	0B ON MAR 01	590	1981
1982	8.94 AT 20:23 CST ON APR 25 *	8.35 ON APR 24	0B ON MAR 01	5 000	1982
1983	5.98 B AT 08:10 CST ON APR 27	4.91 B ON APR 07	0B ON MAR 01	1 520	1983
1984	3.34 AT 04:01 CST ON MAY 29	3.31 ON MAY 28	0B ON MAR 01	10 300	1984
1985	6.48 AT 06:50 CST ON APR 11	5.70 ON APR 11	0 ON JUL 11	11 400	1985
1986	6.72 B AT 09:50 CST ON MAR 30	5.64 B ON MAR 31	0 ON JUL 06	11 400	1986
1987	6.16 AT 06:34 CST ON APR 08	5.70 ON APR 08	0 ON JUN 05	3 640	1987
1988	8.46 AT 05:20 CST ON AUG 24	7.90 ON AUG 24	0B ON MAR 01	16 400	1988
1989	3.25 AT 15:16 CST ON APR 08	2.82 ON APR 08	0B ON MAR 01	3 190	1989
1990	---	11.1 A ON APR 03 *	0 ON JUN 14	6 690	1990
				6 110	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MORRISON DITCH NEAR EASTEND - STATION NO. 11AC043

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0	0	0	0.066	0	0	0	0	---	---	0.008	1920
1921	---	---	0	0	0	0.054	0	0	0	0	---	---	0.007	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1933	---	---	0	0	0	0	0	0	0	0	---	---	0	1933
1934	---	---	0	0	0	0	0	0	0	0	---	---	0	1934
1935	---	---	0	0	0	0	0	0	0	0	---	---	0	1935
1936	---	---	0	0	0	0	0	0	0	0	---	---	0	1936
1937	---	---	0	0	0	0	0	0	0	0	---	---	0	1937
MEAN	---	---	0	0	0	0.007	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 49 27 40 N
LONG 108 42 10 W
REGULATED

MORRISON DITCH NEAR EASTEND - STATION NO. 11AC043

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0 ON MAY 31 *	---	1919
1920	---	0.164 ON JUN 13 *	0 ON MAR 01	170	1920
1921	---	0.142 ON JUN 13	0 ON MAR 01	139	1921
1922	---	0 ON MAR 01	0 ON MAR 01	0	1922
1923	---	0 ON MAR 01	0 ON MAR 01	0	1923
1924	---	0 ON MAR 01	0 ON MAR 01	0	1924
1925	---	0 ON MAR 01	0 ON MAR 01	0	1925
1926	---	0 ON MAR 01	0 ON MAR 01	0	1926
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
1930	---	0 ON MAR 01	0 ON MAR 01	0	1930
1931	---	0 ON MAR 01	0 ON MAR 01	0	1931
1932	---	0 ON MAR 01	0 ON MAR 01	0	1932
1933	---	0 ON MAR 01	0 ON MAR 01	0	1933
1934	---	0 ON MAR 01	0 ON MAR 01	0	1934
1935	---	0 ON MAR 01	0 ON MAR 01	0	1935
1936	---	0 ON MAR 01	0 ON MAR 01	0	1936
1937	---	0 ON MAR 01	0 ON MAR 01	0	1937
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17.2	MEAN

MOSQUITO CREEK NEAR PAMBRUN - STATION NO. 05JB007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.351	0.165	0.066	0.017	0.056	0	0	0	---	---	0.082	1978
1979	---	---	0.731	0.595	0.080	0.001	0	0	0	0	---	---	0.176	1979
1980	---	---	0.496	0.027	0	0	0	0	0	0	---	---	0.066	1980
1981	---	---	0.009	0.001	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0.575	0.660	0.063	0.108	0.027	0	0	0	---	---	0.178	1982
1983	---	0.051	0.443	0.131	0.033	0	0	0	0	0	---	---	0.076	1983
1984	---	---	0.081	0.013	0	0.001	0	0	0	0	---	---	0.012	1984
1985	---	0	0.530	0.063	0	0	0	0	0	0	---	---	0.075	1985
1986	---	0.147	0.272	0.201	0.021	0.078	0.001	0	0	0	---	---	0.047	1986
1987	---	0.002	0.225	0.094	0.002	0	0	0	0	0	---	---	0.040	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.143	1.16	0.005	0.207	0	0	0	0	---	---	0.187	1989
1990	---	0.008	0.482	0.011	0.028	0.001	0	0	0	0	---	---	0.066	1990
MEAN	---	0.042	0.334	0.225	0.023	0.032	0.006	0	0	0	---	---	0.077	MEAN

LOCATION - LAT 49 58 37 N LONG 107 26 13 W — DRAINAGE AREA, 125 km^2 NATURAL FLOW

MOSQUITO CREEK NEAR PAMBRUN - STATION NO. 05JB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	6.51B AT 02:49 CST ON MAR 27	3.60 B ON MAR 27	0B ON MAR 01 *	1 740	1978
1979	---	3.91 B ON MAR 19	0B ON MAR 01	3 720	1979
1980	---	2.28 B ON MAR 28	0B ON MAR 01	1 400	1980
1981	---	0.052B ON MAR 01	0B ON MAR 21	28.4	1981
1982	7.56B AT 06:18 CST ON MAR 30 *	5.18 B ON MAR 30	0B ON MAR 01	3 770	1982
1983	5.96 AT 04:12 CST ON MAR 30	4.26 A ON MAR 30	0 ON JUN 03	1 610	1983
1984	1.52B AT 21:48 CST ON MAR 21	0.658B ON MAR 22	0B ON MAR 01	253	1984
1985	4.51B AT 05:46 CST ON MAR 15	3.21 B ON MAR 15	0B ON MAR 06	1 580	1985
1986	3.75B AT 23:59 CST ON FEB 28	2.26 B ON MAR 01	0 ON APR 11	994	1986
1987	1.97 AT 23:06 CST ON MAR 26	1.35 B ON MAR 27	0B ON MAR 01	850	1987
1988	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1988
1989	7.21B AT 01:08 CST ON APR 02	5.33 B ON APR 02 *	0B ON MAR 01	3 950	1989
1990	2.96B AT 10:32 CST ON MAR 05	2.09 B ON MAR 05	0 ON APR 16	1 400	1990
				1 640	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOSQUITO CREEK NEAR VANGUARD - STATION NO. 05JB005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	0	1.87	---	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.41	0.270	0.001	0	0	0	0	---	---	0.207	1975
1976	---	---	1.76	0.128	0	0	0	0	0	0	---	---	0.238	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
MEAN	---	---	0.44	0.852	0.090	0	0	0	0	0	---	---	0.148	MEAN

LOCATION - LAT 49 55 51 N LONG 107 20 50 W — DRAINAGE AREA, 250 km^2 NATURAL FLOW

MOSQUITO CREEK NEAR VANGUARD - STATION NO. 05JB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	14.[illegible]B AT 14:30 CST ON APR 22 *	11.2B ON APR 22	0B ON MAR 01 *	4 390	1975
1976	---	14.2B ON MAR 19 *	0B ON MAR 01	5 040	1976
1977	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1977
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 140	MEAN

MUDDY LAKE INFLOW NEAR REVENUE - STATION NO. 05GB004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	1.97	0.012	0.002	0.026	0	0	0	---	---	0.246	1971
1972	---	---	0.204	0.464	0	0	0	0.002	0	0	---	---	0.083	1972
1973	---	---	0.144	0.003	0	0	0	0	0	0	---	---	0.019	1973
1974	---	---	0	0.734	0.004	0	0	0	0	0	---	---	0.090	1974
1975	---	---	0	0.309	0.004	0	0.001	0	0	0	---	---	0.038	1975
1976	---	---	0	0.839	0.002	0	0.023	0	0	0	---	---	0.106	1976
1977	---	---	0	0	0.080	0.004	0	0	0	0	---	---	0.011	1977
1978	---	---	0.010	0.094	0.019	0	0	0	0	0	---	---	0.015	1978
1979	---	---	0.006	0.202	0	0	0.033	0	0	0	---	---	0.030	1979
1980	---	---	0.335	0.146	0	0	0	0	0	0	---	---	0.060	1980
1981	---	---	0.054	0.005	0	0	0	0	0	0	---	---	0.007	1981
1982	---	---	0	0.104	0.001	0.005	0	0	0	0	---	---	0.013	1982
1983	---	---	0	0.642	0	0.002	0.029	0	0	0	---	---	0.083	1983
1984	---	---	0.263	0.002	0	0	0	0	0	0	---	---	0.034	1984
1985	---	---	0.003	1.75	0.003	0	0	0	0	0	---	---	0.215	1985
1986	---	---	0.124	0.008	0	0	0	0	0	0	---	---	0.017	1986
1987	---	---	0.144	0.035	0	0	0	0	0	0	---	---	0.023	1987
1988	---	---	0.012	0.001	0	0	0	0	0	0	---	---	0.002	1988
1989	---	---	0	0.079	0	0	0	0	0	0	---	---	0.010	1989
1990	---	---	0.020	0	0	0	0	0	0	0	---	---	0.002	1990
MEAN	---	---	0.066	0.369	0.006	0.001	0.006	0	0	0	---	---	0.055	MEAN

LOCATION - LAT 52 13 50 N, LONG 109 02 10 W DRAINAGE AREA, 252 km^2 NATURAL FLOW

MUDDY LAKE INFLOW NEAR REVENUE - STATION NO. 05GB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	53.2 AT 20:20 CST ON APR 10 *	16.3 ON APR 10 *	0B ON MAR 01 *	5 210	1971
1972	4.73 AT 22:45 CST ON APR 06	3.62 ON APR 06	0B ON MAR 01	1 750	1972
1973	2.00 B AT 16:37 CST ON MAR 18	1.23 B ON MAR 18	0B ON MAR 01	396	1973
1974	---	12.3 ON APR 19	0B ON MAR 01	1 910	1974
1975	4.81 AT 00:00 CST ON APR 22	2.83 ON APR 22	0B ON MAR 01	813	1975
1976	---	10.5 ON APR 06	0B ON MAR 01	2 240	1976
1977	2.20 AT 03:20 CST ON MAY 23	1.13 ON MAY 23	0 ON MAR 01	224	1977
1978	0.578 AT 12:53 CST ON APR 24	0.445 ON APR 24	0B ON MAR 01	320	1978
1979	1.60 AT 09:20 CST ON APR 19	1.29 ON APR 19	0B ON MAR 01	629	1979
1980	8.84 B AT 22:57 CST ON MAR 29	4.57 B ON MAR 29	0B ON MAR 01	1 280	1980
1981	0.744 AT 01:47 CST ON MAR 29	0.401 ON MAR 29	0B ON MAR 01	157	1981
1982	1.63 AT 10:47 CST ON APR 18	1.09 B ON APR 18	0B ON MAR 01	284	1982
1983	17.7 B AT 22:51 CST ON APR 06	8.04 B ON APR 07	0B ON MAR 01	1 750	1983
1984	7.29 AT 21:37 CST ON MAR 23	3.49 ON MAR 23	0B ON MAR 01	709	1984
1985	24.9 B AT 14:41 CST ON APR 03	10.9 B ON APR 03	0B ON MAR 01	4 550	1985
1986	2.69 B AT 02:10 CST ON MAR 28	1.34 B ON MAR 28	0B ON MAR 01	152	1986
1987	2.87 B AT 22:41 CST ON MAR 27	1.82 B ON MAR 28	0B ON MAR 01	478	1987
1988	---	0.087A ON MAR 24	0B ON MAR 01	35.2	1988
1989	1.52 B AT 21:48 CST ON APR 02	1.09 ON APR 03	0B ON MAR 01	206	1989
1990	0.476 AT 14:56 CST ON MAR 09	0.279 ON MAR 09	0 ON MAR 01	52.7	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 170	MEAN

MUDDY LAKE INFLOW NEAR UNITY - STATION NO. 05GB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 52 16 52 N, LONG 109 05 15 W DRAINAGE AREA, 311 km^2 NATURAL FLOW

MUDDY LAKE INFLOW NEAR UNITY - STATION NO. 05GB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	0 ON SEP 23 *	---	1969
1970	---	---	0B ON MAR 06	---	1970
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUSKATIN RIVER NEAR FORCIER LAKE - STATION NO. 06BC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	12.7	13.0	11.8	9.61	---	1971
1972	8.63	8.43	8.68	11.1	45.2	26.3	23.6	18.7	16.1	24.0	24.4	14.3	19.2	1972
1973	12.5	12.2	12.0	14.5	26.8	24.0	85.7	45.2	31.1	31.0	28.1	19.9	29.6	1973
1974	14.2	11.8	11.9	33.6	53.2	53.8	53.7	54.7	45.9	40.4	33.9	27.2	36.3	1974
1975	17.4	14.8	14.2	22.4	37.8	35.5	41.1	35.8	41.9	38.9	29.0	13.3	28.6	1975
1976	13.0	10.9	10.8	25.6	48.4	27.5	50.4	67.2	73.6	43.4	35.5	25.3	34.4	1976
1977	---	---	---	---	---	---	---	---	40.4	41.4	---	---	---	1977
1978	14.8	12.0	11.3	19.0	59.3	32.4	31.8	33.7	41.2	45.5	36.1	19.9	31.5	1978
1979	14.7	12.9	13.2	14.2	57.7	58.2	36.6	27.9	28.6	32.8	27.3	18.4	28.6	1979
1980	11.9	12.1	12.3	27.5	29.8	19.3	18.6	22.3	24.1	28.7	25.5	15.3	20.6	1980
1981	12.1	12.4	13.7	20.5	55.1	26.0	19.0	12.9	10.4	11.3	10.4	9.81	16.2	1981
1982	7.00	6.23	6.39	13.9	52.5	31.4	34.5	18.2	20.1	24.6	19.5	15.1	24.8	1982
1983	13.1	13.7	14.2	22.7	36.1	46.3	31.7	22.9	21.2	24.1	21.7	16.1	24.0	1983
1984	13.1	12.7	11.6	25.7	34.9	33.6	21.8	17.3	15.5	18.3	19.0	15.9	19.9	1984
1985	12.4	11.3	10.7	20.4	68.5	46.1	33.6	25.1	20.0	22.1	17.6	14.8	25.3	1985
1986	12.6	10.5	10.8	14.7	48.1	39.5	77.1	66.8	33.0	27.3	20.7	18.5	31.8	1986
1987	16.4	15.0	15.6	36.9	56.8	37.3	21.5	16.9	14.6	15.0	15.0	13.4	22.9	1987
1988	10.7	8.99	10.1	17.2	52.7	35.4	35.7	31.4	28.0	24.2	21.0	17.9	22.8	1988
1989	14.2	11.9	11.8	15.6	41.0	40.9	35.1	25.2	28.4	37.8	31.2	19.2	26.1	1989
1990	16.3	15.4	14.3	26.1	42.0	30.2	24.2	14.8	14.8	17.7	15.1	13.7	20.4	1990
MEAN	13.1	11.8	11.9	21.2	43.8	38.1	37.5	32.4	28.6	28.1	23.3	16.7	25.7	MEAN

LOCATION - LAT 56 05 30 N LONG 107 35 30 W DRAINAGE AREA, 5 940 km^2 NATURAL FLOW

MUSKATIN RIVER NEAR FORCIER LAKE - STATION NO. 06BC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	---	65.1B ON MAY 03	7.93B ON FEB 15	606 000	1972
1973	113 AT 14:35 CST ON JUL 18 *	113 ON JUL 18 *	11.9 B ON JAN 14	934 000	1973
1974	73.6 AT 04:18 CST ON APR 28	73.3 ON APR 28	11.6 B ON MAR 13	1 150 000	1974
1975	48.1 AT 03:51 CST ON JUL 20	46.7 ON JUL 20	12.3 B ON DEC 08	904 000	1975
1976	83.6 AT 07:44 CST ON SEP 08	83.0 ON SEP 07	10.0 B ON FEB 18	1 090 000	1976
1977	---	---	---	---	1977
1978	---	71.0E ON MAY 13	10.8 B ON MAR 12	994 000	1978
1979	---	68.0E ON MAY 26	12.4 B ON FEB 16	903 000	1979
1980	43.0 AT 12:00 CST ON APR 23	41.7 ON APR 24	10.8 B ON JAN 17	652 000	1980
1981	37.3 AT 18:58 CST ON MAY 13	37.2 ON MAY 13	7.33B ON OCT 23	510 000	1981
1982	57.5 AT 03:53 CST ON MAY 23	57.5 ON MAY 23	5.80B ON FEB 20 *	782 000	1982
1983	63.1B AT 16:20 CST ON APR 25	57.4B ON APR 25	12.1 B ON JAN 07	758 000	1983
1984	46.2 AT 00:01 CST ON APR 15	42.8 ON MAY 22	11.1 B ON MAR 23	631 000	1984
1985	82.6 AT 15:25 CST ON MAY 18	82.5 ON MAY 18	9.51B ON APR 18	798 000	1985
1986	96.7 AT 04:52 CST ON JUL 30	96.4 ON JUL 30	9.97B ON MAR 01	1 000 000	1986
1987	63.7 AT 08:49 CST ON MAY 01	63.5 ON MAY 01	9.09 ON NOV 06	722 000	1987
1988	42.4B AT 22:00 CST ON APR 28	39.0 ON APR 29	8.43B ON FEB 16	722 000	1988
1989	55.4 AT 20:00 CST ON APR 30	51.0 ON MAY 30	11.2 B ON FEB 08	823 000	1989
1990	58.2 AT 08:54 CST ON APR 25	54.4B ON APR 25	11.8 B ON DEC 31	644 000	1990
				312 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MULE CREEK AT GUNN'S RANCH NEAR MUSSELA - STATION NO. 11AC014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.003	0.037	0.011	0.004	0.013	0.025	---	---	---	1914
1915	---	---	---	0.256	0.039	0.057	0.038	0.011	0.011	0.016	---	---	---	1915
1916	---	---	---	---	---	---	---	0.040	0.008	0.063	---	---	---	1916
MEAN	---	---	---	0.256	0.021	0.047	0.025	0.018	0.011	0.035	---	---	---	MEAN

LOCATION - LAT 49 25 46 N LONG 108 14 00 W DRAINAGE AREA, 205 km^2 NATURAL FLOW

MULE CREEK AT GUNN'S RANCH NEAR RUMSOLA - STATION NO. 11AC014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
				---	MEAN

MULL EAST DITCH - STATION NO. 11AB051

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 34 30 N
LONG 109 48 30 W REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-23

MULL EAST DITCH - STATION NO. 11AB051

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 01 *	0 ON MAR 01 *	0	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

MULL WEST DITCH - STATION NO. 11AB052

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 34 30 N
LONG 109 49 00 W REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-23

MULL WEST DITCH - STATION NO. 11AB052

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 01 *	0 ON MAR 01 *	0	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

MULLNER CREEK NEAR VERNDALE - STATION NO. 05KA005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	0.028	0.006	0.004	0	0	---	---	---	---	1919
1921	---	---	---	---	0.072	0.115	0.083	0.046	0.028	0.007	---	---	---	1921
1922	---	---	0	0.026	0.079	0.077	0.056	0.057	0.024	0.002	---	---	0.040	1922
1923	---	---	0	0.004	3	0.009	0.007	0.003	0.002	0.001	---	---	0.003	1923
1924	---	---	0	0.019	0.013	0.008	0	0	0	0	---	---	0.005	1924
1925	---	---	0.002	0.009	2	0.004	0.001	0	0	0	---	---	0.002	1925
1926	---	---	0.002	0	0.002	---	---	---	---	---	---	---	---	1926
MEAN	---	---	0.001	0.012	0.028	0.037	0.025	0.018	0.009	0.002	---	---	0.013	MEAN

LOCATION - LAT 52 34 00 N
LONG 105 07 00 W DRAINAGE AREA, 648 km^2
NATURAL FLOW

MULLER CREEK NEAR VERNDALE - STATION NO. 05KA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0B ON APR 06 *	---	1919
1921	---	---	0 ON OCT 15	---	1921
1922	---	0.111 ON MAY 26 *	0B ON MAR 01	848	1922
1923	---	0.023 ON APR 17	0B ON MAR 01	71.8	1923
1924	---	0.051 ON APR 18	0B ON MAR 01	104	1924
1925	---	---	0B ON MAR 01	41.2	1925
1926	---	0.051B ON APR 04	0B ON MAR 01	---	1926
		---		266	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MASHLYN CANAL NEAR CONSUL - STATION NO. 11AB018

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	0	0	0	0	0.026	0.022	0	0	---	---	0.006	1912
1914	---	---	0	0.055	0.275	0.128	0	0	0	0	---	---	0.057	1914
1915	---	---	0	0.071	0.103	0.068	0	0	0	0	---	---	0.030	1915
1916	---	---	0	0	0	0.020	0.054	0	0	0	---	---	0.009	1916
1917	---	---	0	0	0	0.088	0.138	0	0	0	---	---	0.028	1917
1918	---	---	0	0	0.003	0.162	0.032	0	0	0	---	---	0.024	1918
1919	---	---	0	0.013	0.134	0.132	0	0	0	0	---	---	0.035	1919
1920	---	---	0	0.066	0.233	0.196	0.030	0	0	0	---	---	0.065	1920
1921	---	---	0	0.127	0.201	0.380	0.032	0	0	0	---	---	0.092	1921
1922	---	---	0	0	0.014	0.155	0.009	0	0	0	---	---	0.022	1922
1923	---	---	0	0	0.206	0.075	0.007	0	0	0	---	---	0.035	1923
1924	---	---	0	0.032	0.176	0.111	0.007	0	0	0	---	---	0.041	1924
1925	---	---	0	0.057	0.160	0.094	0	0	0	0	---	---	0.039	1925
1926	---	---	0	0.048	0.139	0.096	0	0	0	0	---	---	0.035	1926
1927	---	---	0	0	0.043	0.002	0	0	0	0	---	---	0.006	1927
1928	---	---	0	0.003	0.103	0.111	0.004	0	0	0	---	---	0.027	1928
1929	---	---	0	0.006	0.074	0.097	0	0	0	0	---	---	0.022	1929
1930	---	---	0	0.002	0.147	0.151	0.013	0	0	0	---	---	0.039	1930
1931	---	---	0	0.024	0.045	0.024	0	0	0	0	---	---	0.012	1931
1942	---	---	0.105	0.447	0.360	0	0	0	0	0	---	---	0.114	1942
1944	---	---	0	0.281	0.136	0.135	0	0	0	0	---	---	0.068	1944
1946	---	---	0.204	0.156	0.159	0.093	0	0	0	0	---	---	0.076	1946
1947	---	---	0	0.292	0.091	0.187	0	0	0	0	---	---	0.070	1947
1948	---	---	0	0.297	0.351	0.218	0.045	0	0	0	---	---	0.113	1948
1949	---	---	0	0.181	0.244	0.190	0.108	0	0	0	---	---	0.090	1949
1950	---	---	0	0.212	0.256	0.154	0.063	0.083	0	0	---	---	0.096	1950
1951	---	---	0	0.128	0.510	0.028	0.012	0	0	0	---	---	0.085	1951
1952	---	---	0	0.953	0	0.090	0.082	0	0	0	---	---	0.114	1952
1953	---	---	0.016	0.449	0.286	0.034	0	0.001	0.054	0	---	---	0.104	1953
1954	---	---	0	0.243	0.204	0.011	0.025	0.048	0	0	---	---	0.066	1954
1955	---	---	0.008	0.613	0.076	0.002	0.005	0.002	0	0	---	---	0.087	1955
1956	---	---	0	0.197	0.369	0.227	0.015	0	0	0	0.013	---	0.098	1956
1957	---	---	0.023	0.377	0.413	0.251	0.003	0.102	0.093	0	---	---	0.167	1957
1958	---	---	0.010	0.406	0.246	0.140	0.023	0.066	0.003	0.010	---	---	0.112	1958
1959	---	---	0.003	0.427	0.405	0.403	0.012	0	0	0	---	---	0.155	1959
1960	---	---	0.233	0.703	0.039	0.296	0.017	0.075	0	0	---	---	0.168	1960
1961	---	---	0.140	0.333	0.260	0	0	0	0	0.006	---	---	0.092	1961
1962	---	---	0.175	0.434	0	0.131	0	0.001	0	0.019	---	---	0.094	1962
1963	---	---	0.296	0.427	0.111	0	0.061	0	0	0	---	---	0.111	1963
1964	---	---	0.003	0.668	0.156	0.089	0	0	0	0.025	---	---	0.116	1964
1965	---	---	0	0.500	0.139	0	0.101	0	0	0	---	---	0.092	1965
1966	---	---	0.133	0.285	0.158	0.059	0.064	0.052	0	0	---	---	0.093	1966
1967	---	---	0	0.375	0.300	0.133	0.208	0.028	0.026	0	---	---	0.133	1967
1968	---	---	0.164	0.594	0.214	0	0.082	0	0.018	0	---	---	0.133	1968
1969	---	---	0	0.382	0.171	0.029	0.141	0.033	0	0.030	---	---	0.098	1969
1970	---	---	0	0.338	0.465	0.093	0.167	0	0.020	0.023	---	---	0.138	1970
1971	---	---	0	0.266	0.454	0	0.214	0	0	0	---	---	0.117	1971
1972	---	---	0.267	0.375	0.168	0	0.167	0	0	0	---	---	0.122	1972
1973	---	---	0.302	0.360	0.111	0	0.181	0.001	0	0	---	---	0.119	1973
1974	---	---	0	0.506	0.225	0.154	0.131	0.006	0	0	---	---	0.127	1974
1975	---	---	0	0.272	0.350	0.148	0.189	0.001	0	0	---	---	0.120	1975
1976	---	---	0.154	0.387	0.199	0	0.215	0	0	0	---	---	0.119	1976
1977	---	---	0.102	0.379	0.313	0.037	0.210	0	0	0	---	---	0.130	1977
1978	---	---	0	0.578	0.333	0.130	0	0	0	0	---	---	0.091	1978
1979	---	---	0.147	0.657	0.245	0.001	0.191	0.021	0	0	---	---	0.157	1979
1980	---	---	0.058	0.675	0.292	0.002	0.133	0	0	0	---	---	0.144	1980
1981	---	---	0.319	0.217	0.352	0.001	0	0	0	0	---	---	0.111	1981
1982	---	---	0	0.380	0.398	0	0	0	0	0	---	---	0.097	1982
1983	---	---	0.054	0.602	0.132	0	0	0	0	0	---	---	0.097	1983
1984	---	---	0	0.365	0.281	0.019	0	0	0	0	---	---	0.083	1984
1985	---	---	0	0.574	0.238	0	0	0	0	0	---	---	0.100	1985
1986	---	---	0.766	0.102	0.141	0.057	0	0	0.064	0	---	---	0.142	1986
1987	---	---	0.738	0.181	0.227	0	0	0	0	0	---	---	0.144	1987
1988	---	---	0.132	0.731	0.264	0	0	0	0	0	---	---	0.140	1988
1989	---	---	0	0.443	0.328	0	0	0	0.012	0	---	---	0.097	1989
1990	---	---	0.787	0.214	0.321	0.088	0	0	0	0	---	---	0.177	1990
MEAN	---	---	0.081	0.294	0.201	0.087	0.049	0.009	0.004	0.002	0.013	---	0.090	MEAN

LOCATION - LAT 49 13 57 N
LONG 109 33 27 W

REGULATED

INTERNATIONAL GAUGING STATION

NASH CN CANAL NEAR CONSUL - STATION NO. 11AB018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON AUG 05 *	---	1911
1912	---	0.096 ON AUG 03	0 ON MAR 01	129	1912
1914	---	0.323 ON MAY 09	0 ON MAR 01	1 210	1914
1915	---	0.263 ON MAY 14	0 ON MAR 01	634	1915
1916	---	0.173 ON JUN 28	0 ON MAR 01	196	1916
1917	---	0.300 ON JUN 20	0 ON MAR 01	397	1917
1918	---	0.244 ON JUN 13	0 ON MAR 01	513	1918
1919	---	0.227 ON JUN 13	0 ON MAR 01	733	1919
1920	---	0.425 ON JUN 09	0 ON MAR 01	1 380	1920
1921	---	0.324 ON JUN 27	0 ON MAR 01	1 940	1921
1922	---	0.249 ON JUN 16	0 ON MAR 01	463	1922
1923	---	0.382 ON MAY 17	0 ON MAR 01	746	1923
1924	---	0.218 ON JUN 13	0 ON MAR 01	857	1924
1925	---	0.212 ON APR 28	0 ON MAR 01	822	1925
1926	---	0.139E ON MAY 01	0 ON MAR 01	746	1926
1927	---	0.331 ON MAY 23	0 ON MAR 01	119	1927
1928	---	0.224 ON MAY 17	0 ON MAR 01	582	1928
1929	---	0.119E ON JUN 08	0 ON MAR 01	464	1929
1930	---	0.229 ON JUN 01	0 ON MAR 01	826	1930
1931	---	0.045E ON MAY 01	0 ON MAR 01	245	1931
1942	---	0.858 ON MAY 12	0 ON MAR 01	2 400	1942
1944	---	0.351 ON APR 20	0 ON MAR 01	1 440	1944
1946	---	0.204E ON MAR 01	0 ON JUL 01	1 620	1946
1947	---	0.292E ON APR 01	0 ON MAR 01	1 490	1947
1948	---	0.351E ON MAY 01	0 ON MAR 01	2 400	1948
1949	---	0.244E ON MAY 01	0 ON MAR 01	1 900	1949
1950	---	0.629 ON APR 24	0 ON MAR 01	2 030	1950
1951	---	1.23 ON MAY 04	0 ON MAR 01	1 800	1951
1952	---	2.41 ON APR 14 *	0B ON MAR 01	2 850	1952
1953	---	0.708 ON APR 30	0B ON MAR 01	2 210	1953
1954	---	0.697 ON MAY 09	0 ON MAR 01	1 400	1954
1955	---	1.21 ON APR 15	0B ON MAR 01	1 840	1955
1956	---	0.532 ON MAY 13	0 ON MAR 01	2 070	1956
1957	---	0.838 ON MAY 03	0B ON MAR 01	3 530	1957
1958	---	0.895 ON APR 02	0 ON MAR 01	2 380	1958
1959	---	0.966 ON APR 16	0B ON MAR 01	3 280	1959
1960	---	0.963 ON APR 04	0B ON MAR 01	3 560	1960
1961	---	0.569 ON MAY 05	0 ON MAR 01	1 950	1961
1962	---	1.26 ON MAR 27	0B ON MAR 01	1 990	1962
1963	---	1.17 ON APR 08	0 ON APR 25	2 360	1963
1964	---	1.23 ON APR 11	0 ON MAR 01	2 450	1964
1965	---	1.24 ON APR 19	0B ON MAR 01	1 940	1965
1966	---	0.980 ON MAR 30	0B ON MAR 01	1 970	1966
1967	---	1.20 ON MAY 06	0B ON MAR 01	2 820	1967
1968	---	0.841 ON APR 14	0 ON MAR 01	2 820	1968
1969	---	0.980 ON APR 11	0B ON MAR 01	2 070	1969
1970	---	1.08 ON JUL 24	0 ON MAR 01	2 920	1970
1971	---	0.838 ON APR 28	0 ON MAR 01	2 480	1971
1972	---	0.920B ON MAR 27	0 ON MAR 01	2 590	1972
1973	---	0.776B ON MAR 29	0B ON MAR 01	2 530	1973
1974	---	0.773 ON APR 30	0B ON MAR 01	2 680	1974
1975	---	0.869 ON MAY 07	0B ON MAR 01	2 530	1975
1976	---	0.881 ON APR 04	0 ON MAR 01	2 530	1976
1977	---	0.872 ON MAY 17	0 ON MAR 01	2 750	1977
1978	---	1.00 B ON APR 11	0B ON MAR 01	1 920	1978
1979	---	0.989 ON MAY 29	0B ON MAR 01	3 320	1979
1980	---	1.07 ON APR 23	0B ON MAR 01	3 050	1980
1981	---	0.936 ON APR 29	0 ON MAR 01	2 360	1981
1982	---	1.40 ON APR 22	0B ON MAR 01	2 050	1982
1983	---	1.12 ON APR 09	0 ON MAR 01	2 060	1983
1984	---	0.825 ON APR 09	0 ON MAR 01	1 750	1984
1985	---	0.977 ON MAY 18	0 ON MAR 01	2 130	1985
1986	---	1.34 ON MAR 07	0 ON APR 15	3 010	1986
1987	---	1.11 B ON MAR 07	0 ON MAR 01	3 050	1987
1988	---	1.19 ON APR 12	0 ON MAR 01	2 950	1988
1989	---	1.12 ON APR 20	0B ON MAR 01	2 060	1989
1990	---	1.46 B ON MAR 07	0 ON APR 12	3 750	1990
				1 910	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NEEDHAM DITCH NEAR PIAPOT - STATION NO. 05HA017

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1916	---	---	---	---	---	---	0.049	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
MEAN	---	---	---	---	---	---	0.049	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 55 54 N
LONG 109 08 17 W

REGULATED

NEEDHAM DITCH NEAR PIAPOT - STATION NO. 05HA017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	OR ON JUL 20 *	---	1912
			0 ON JUN 19		
1916	---	---	---	---	1916
1917	---	---	0 ON JUL 01	---	1917
1918	---	---	0 ON MAY 19	---	1918
1919	---	---	OR ON MAY 02	---	1919
1920	---	---	0 ON APR 24	---	1920
			0 ON JUN 18	---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

NEWTON LAKE MAIN CANAL - STATION NO. 11AC054

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1937	---	---	0	0.075	0.443	0.242	0.005	0	0	0	---	---	0.095	1937
1938	---	---	0.036	0.265	0.468	0.417	0.066	0.128	0.089	0.135	0.038	---	0.200	1938
1939	---	---	0	0.017	0.319	0.232	0.533	0.420	0.083	0.070	---	---	0.211	1939
1940	---	---	0	0	0.084	0.097	1.20	0.283	0.192	0.662	---	---	0.318	1940
1941	---	---	0	0	0.261	0.561	0.709	0.236	0.167	0.190	---	---	0.266	1941
1942	---	---	0	0.044	0.218	0.878	0.722	0.533	0.146	0.088	---	---	0.328	1942
1943	---	---	0	0.034	0.378	1.11	0.718	0.338	0.155	0.076	---	---	0.350	1943
1944	---	---	0	0.008	0.429	0.446	0.644	0.493	0.359	0.262	---	---	0.331	1944
1945	---	---	0	0.007	0.334	0.857	0.918	0.566	0.161	0.007	---	---	0.356	1945
1946	---	---	0	0.173	0.577	0.853	0.778	0.255	0.012	0	---	---	0.382	1946
1947	---	---	0	0.002	0.696	0.140	1.22	0.314	0	0	---	---	0.324	1947
1948	---	---	0	0	0.443	0.911	0.933	0.684	0.279	0.025	---	---	0.387	1948
1949	---	---	0	0.149	1.16	0.801	0.229	0.082	0.025	0.018	---	---	0.308	1949
1950	---	---	0	0.036	0.238	1.02	1.09	0.452	0.073	0.016	---	---	0.366	1950
1951	---	---	0	0	0.323	1.06	1.15	0.608	0	0.035	---	---	0.401	1951
1952	---	---	0	0	0	0.687	0.901	0.182	0.090	0	---	---	0.232	1952
1953	---	---	0.081	0.003	0.312	0.106	0.804	0.468	0.101	0.001	---	---	0.236	1953
1954	---	---	0	0	0.187	0.531	1.13	0.387	0.016	0.006	---	---	0.284	1954
1955	---	---	0.003	0.023	0.005	1.21	0.200	0.065	0.114	0.076	---	---	0.210	1955
1956	---	---	0	0	0.382	1.17	0.604	0.493	0.044	0.062	---	---	0.340	1956
1957	---	---	0	0	0.864	1.19	0.576	0.480	0.106	0	---	---	0.401	1957
1958	---	---	0	0	1.19	0.901	0.756	0.909	0.025	0	---	---	0.485	1958
1959	---	---	0	0	0.929	1.05	0.663	0.763	0.001	0	---	---	0.427	1959
1960	---	---	0	0	0.148	1.59	0.781	0.552	0.016	0	---	---	0.384	1960
1961	---	---	0	0	0.467	1.26	0.299	0.224	0	0	---	---	0.259	1961
1962	---	---	0	0	0.16	0.533	0.435	0.067	0	0	---	---	0.309	1962
1963	---	---	0	0	0.059	1.60	0.930	0.308	0.022	0	---	---	0.404	1963
1964	---	---	0	0	0.477	1.34	0.239	0.654	0	0	---	---	0.255	1964
1965	---	---	0	0	0.433	0.865	0.552	0.090	0.037	0	---	---	0.349	1965
1966	---	---	0	0	0.731	1.14	0.812	1.01	0	0	---	---	0.463	1966
1967	---	---	0	0	0	1.39	1.57	0.411	0	0	---	---	0.421	1967
1968	---	---	0	0	0.16	0.015	1.54	0.355	0	0	---	---	0.406	1968
1969	---	---	0	0	0.077	1.52	0	1.69	0.122	0	---	---	0.424	1969
1970	---	---	0	0	0.705	0.820	0.558	1.30	0	0	---	---	0.425	1970
1971	---	---	0	0	0.810	1.14	1.05	0.603	0	0	---	---	0.457	1971
1972	---	---	0	0	0.651	1.39	1.42	0.263	0	0	---	---	0.464	1972
1973	---	---	0	0	1.30	0.381	1.11	0.341	0	0	---	---	0.420	1973
1974	---	---	0	0	0	1.87	1.14	0.565	0	0	---	---	0.446	1974
1975	---	---	0	0	0.076	1.28	1.22	0.189	0	0	---	---	0.345	1975
1976	---	---	0	0	1.08	0.881	0.877	0.525	0	0	---	---	0.422	1976
1977	---	---	0	0	1.48	0.371	0.606	0.777	0	0	---	---	0.418	1977
1978	---	---	0	0	0.561	0.802	0.398	1.08	0	0	---	---	0.365	1978
1979	---	---	0	0	0.574	1.03	1.01	0.464	0	0	---	---	0.385	1979
1980	---	---	0	0	1.80	0.036	1.46	0.197	0	0	---	---	0.442	1980
1981	---	---	0	0.206	1.66	0.006	0	0	0	0	---	---	0.236	1981
1982	---	---	0	0	0.947	0.960	0.546	0.905	0	0	---	---	0.408	1982
1983	---	---	0.007	0.017	0.757	1.15	1.05	0.423	0.003	0	---	---	0.427	1983
1984	---	---	0	0.389	1.34	0	0	0	0	0	---	---	0.217	1984
1985	---	---	0	0	1.41	0.587	0.248	0	0	0	---	---	0.281	1985
1986	---	---	0	0	0.254	1.57	1.14	0.071	0	0	---	---	0.375	1986
1987	---	---	0	0	1.43	0.106	1.42	0.051	0.005	0	---	---	0.300	1987
1988	---	---	0	0	1.18	0	0	0	0	0	---	---	0.150	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0	1.14	0.650	0	0	0	0	---	---	0.223	1990
MEAN	---	---	0.002	0.027	0.636	0.813	0.725	0.423	0.045	0.032	0.038	---	0.339	MEAN

LOCATION - LAT 49 10 18 N
LONG 107 48 05 W

REGULATED SINCE 1937

INTERNATIONAL GAUGING STATION

NEWTON LAKE MAIN CANAL - STATION NO. 11AC054

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1937	---				
1938	---	1.50 ON MAY 05	0 ON MAR 01 *	2 020	1937
1939	---	0.824 ON MAY 30	0 ON MAR 01	4 230	1938
		1.17 ON JUL 16	0 ON MAR 01	4 460	1939
1940	---	2.10 ON JUL 19	0 ON MAR 01	6 720	1940
1941	---	1.04 ON JUN 29	0 ON MAR 01	5 630	1941
1942	---	1.47 ON JUL 27	0 ON MAR 01	6 950	1942
1943	---	1.68 ON JUN 01	0 ON MAR 01	7 410	1943
1944	---	1.64 A ON MAY 28	0 ON MAR 01	7 000	1944
1945	---	1.70 ON MAY 31	0 ON MAR 01	7 540	1945
1946	---	2.37 ON APR 30	0 ON MAR 01	8 080	1946
1947	---	2.15 ON MAY 20	0 ON MAR 01	6 860	1947
1948	---	2.21 ON JUN 01	0 ON MAR 01	8 400	1948
1949	---	1.50 ON MAY 07	0 ON MAR 01	6 520	1949
1950	---	2.07 ON JUN 05	0 ON MAR 01	7 740	1950
1951	---	2.25 ON JUN 02	0 ON MAR 01	8 480	1951
1952	---	2.52 ON JUN 27	0 ON MAR 01	4 920	1952
1953	---	1.76 ON MAR 28	0 ON MAR 01	5 000	1953
1954	---	1.87 ON JUL 21	0 ON MAR 01	6 010	1954
1955	---	2.24 ON JUN 18	0 ON MAR 01	4 430	1955
1956	---	1.67 ON JUN 10	0 ON MAR 01	7 200	1956
1957	---	1.93 ON JUN 07	0 ON MAR 01	8 490	1957
1958	---	2.15 ON MAY 23	0 ON MAR 01	10 300	1958
1959	---	1.78 ON JUN 20	0 ON MAR 01	9 040	1959
1960	---	2.04 ON JUN 07	0 ON MAR 01	8 120	1960
1961	---	2.10 ON MAY 31	0 ON MAR 01	5 480	1961
1962	---	2.15 ON JUL 13	0 ON MAR 01	6 520	1962
1963	---	2.15 ON JUN 17	0 ON MAR 01	8 560	1963
1964	---	2.35 ON JUN 05	0 ON MAR 01	5 400	1964
1965	---	1.87 ON JUN 09	0 ON MAR 01	7 380	1965
1966	---	2.60 ON AUG 01	0 ON MAR 01	9 790	1966
1967	---	2.67 ON JUN 07	0 ON MAR 01	8 900	1967
1968	---	2.60 ON MAY 24	0 ON MAR 01	10 300	1968
1969	---	2.86 ON JUN 05	0 ON MAR 01	8 970	1969
1970	---	2.70 ON MAY 31	0 ON MAR 01	8 990	1970
1971	---	2.83 ON JUN 02	0 ON MAR 01	9 540	1971
1972	---	2.83 ON JUN 01	0 ON MAR 01	9 820	1972
1973	---	2.78 ON MAY 26	0 ON MAR 01	8 890	1973
1974	---	3.37 ON JUN 15	0 ON MAR 01	9 430	1974
1975	---	3.11 ON JUN 07	0 ON MAR 01	7 290	1975
1976	---	3.48 ON MAY 26 *	0 ON MAR 01	8 930	1976
1977	---	2.92 ON MAY 14	0 ON MAR 01	8 840	1977
1978	---	2.82 ON JUN 04	0 ON MAR 01	7 740	1978
1979	---	3.25 ON JUL 27	0 ON MAR 01	8 150	1979
1980	---	3.09 ON MAY 17	0 ON MAR 01	9 350	1980
1981	---	2.53 ON MAY 09	0 ON MAR 01	5 000	1981
1982	---	3.12 ON MAY 27	0 ON MAR 01	8 640	1982
1983	---	2.85 ON MAY 26	0 ON AUG 11	9 030	1983
1984	---	2.66 ON APR 29	0 ON MAR 01	4 580	1984
1985	---	2.82 ON MAY 22	0 ON MAR 01	5 950	1985
1986	---	3.04 ON JUN 03	0 ON MAR 01	7 930	1986
1987	---	2.15 ON JUL 09	0 ON MAR 01	8 040	1987
1988	---	2.36 ON MAY 10	0 ON MAR 01	3 170	1988
1989	---	0 ON MAR 01	0 ON MAR 01	0	1989
1990	---	2.37 ON MAY 25	0 ON MAR 01	4 730	1990
				7 170	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORBURY CREEK NEAR SPIRITWOOD - STATION NO. 05AE001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	0.075	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	1.42	0.422	---	---	---	---	---	---	---	---	1965
1968	---	---	0.229	0.115	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	3.04	0.718	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.99	0.877	---	---	---	---	---	---	---	---	1970
1974	---	---	---	2.87	2.32	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.411	0.909	0.449	0.020	0	0	0	---	---	0.224	1975
1976	---	---	0	0.120	0.027	0	0	0	0	0	---	---	0.018	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.735	0.202	0.015	0	0	0	0	---	---	0.117	1978
1979	---	---	0	0.875	2.31	0.146	0.001	0	0	0	---	---	0.417	1979
1980	---	---	0	0.276	0.004	0	0	0	0	0	---	---	0.034	1980
1981	---	---	0.020	0.819	0.179	0	0	0	0	0	---	---	0.125	1981
1982	---	---	0	0.394	0.075	0.005	0	0	0	0	---	---	0.058	1982
1983	---	---	0	1.00	0.456	0.005	0.006	0	0	0	---	---	0.182	1983
1984	---	---	0	0.075	0.134	1.12	0.039	0.002	0	0.004	---	---	0.169	1984
1985	---	---	0	5.39	3.09	0.055	0	0	0	0	---	---	1.06	1985
1986	---	---	0.117	0.571	0.054	0.002	0	0	0	0	---	---	0.092	1986
1987	---	---	0	0.154	0.035	0	0	0	0	0	---	---	0.023	1987
1988	---	---	0	0.573	0.023	0.004	0	0	0	0	---	---	0.074	1988
1989	---	---	0	0.048	0	0	0	0	0	0	---	---	0.006	1989
1990	---	---	0	0.134	0.146	0.004	0.001	0	0	0	---	---	0.036	1990
MEAN	---	---	0.022	0.958	0.599	0.113	0.005	0	0	0	---	---	0.165	MEAN

LOCATION - LAT 53 21 17 N DRAINAGE AREA, 432 km²
LONG 107 28 01 W NATURAL FLOW

NORBURY CREEK NEAR SPIRITWOOD - STATION NO. 05AE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1974	---	---	---	---	1974
1975	---	2.04 ON MAY 02	0B ON MAR 01 *	4 740	1975
1976	---	0.408 ON APR 09	0B ON MAR 01	382	1976
1977	---	0 B ON MAR 01	0B ON MAR 01	0	1977
1978	---	1.99 B ON APR 12	0B ON MAR 01	2 480	1978
1979	---	7.70 E ON APR 28	0B ON MAR 01	8 840	1979
1980	1.78 B AT 15:28 CST ON APR 16	1.65 B ON APR 16	0B ON MAR 01	729	1980
1981	1.90 AT 21:19 CST ON APR 20	1.88 ON APR 20	0B ON MAR 01	2 660	1981
1982	1.17 B AT 15:26 CST ON APR 20	1.14 B ON APR 20	0B ON MAR 01	1 230	1982
1983	5.65 B AT 00:17 CST ON APR 21	4.97 B ON APR 20	0B ON MAR 01	3 860	1983
1984	3.90 AT 05:26 CST ON JUN 13	3.74 ON JUN 13	0B ON MAR 01	3 580	1984
1985	14.1 AT 00:58 CST ON APR 24 *	13.6 ON APR 23 *	0B ON MAR 01	22 400	1985
1986	2.07 B AT 21:02 CST ON APR 01	1.98 B ON APR 02	0B ON MAR 01	1 940	1986
1987	0.820B AT 10:50 CST ON APR 08	0.764B ON APR 08	0B ON MAR 01	494	1987
1988	1.16 B AT 08:23 CST ON APR 09	1.09 ON APR 28	0B ON MAR 01	1 560	1988
1989	0.377B AT 08:30 CST ON APR 11	0.345B ON APR 11	0B ON MAR 01	126	1989
1990	0.719B AT 21:45 CST ON APR 04	0.608B ON APR 05	0B ON MAR 01	752	1990
				3 490	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT - STATION NO. 05GG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	435	394	357	---	---	---	---	1910
1911	---	---	---	---	---	420	735	727	466	219	102	73.6	---	1911
1912	42.6	44.8	44.7	231	319	421	1 000	851	631	284	139	65.6	341	1912
1913	47.1	44.9	56.2	463	344	540	742	711	413	201	85.7	51.6	310	1913
1914	34.6	33.7	36.7	123	375	860	834	412	292	220	106	71.8	285	1914
1915	49.8	46.9	48.3	256	198	709	1 710	796	425	217	110	63.4	388	1915
1916	40.3	31.7	36.6	210	265	683	932	710	652	327	174	89.1	347	1916
1917	62.3	57.0	50.4	246	747	855	635	406	287	196	114	40.9	309	1917
1918	53.2	47.3	49.0	246	216	447	479	352	231	180	78.0	39.7	202	1918
1919	34.0	34.6	24.7	155	154	216	336	424	319	126	58.7	45.7	161	1919
1920	41.1	35.5	36.6	107	894	693	828	502	252	150	93.1	42.6	308	1920
1921	27.0	31.7	27.4	402	437	484	476	406	208	100	63.0	39.6	226	1921
1922	24.5	22.1	28.7	146	318	413	403	447	318	161	75.0	21.7	199	1922
1923	25.2	23.8	23.6	98.3	178	745	828	582	384	197	95.8	77.4	273	1923
1924	28.9	43.1	49.4	110	337	373	453	441	325	148	63.1	53.2	203	1924
1925	42.8	38.8	36.0	508	306	478	491	642	509	293	112	71.8	295	1925
1926	48.5	34.8	51.3	283	204	281	485	329	732	339	155	74.3	252	1926
1927	42.9	41.6	62.0	296	631	601	827	618	400	242	107	59.1	329	1927
1928	77.4	48.9	68.9	292	269	747	970	508	265	132	63.9	45.7	291	1928
1929	34.1	27.5	39.2	119	226	531	264	302	199	119	56.4	37.5	163	1929
1930	33.9	35.7	43.8	161	194	410	504	394	251	124	50.4	38.4	188	1930
1931	27.6	26.3	31.8	112	155	336	651	434	301	142	74.1	51.1	196	1931
1932	42.6	34.1	30.0	278	408	815	487	401	321	145	57.0	46.1	255	1932
1933	46.5	39.5	31.5	142	507	494	497	353	294	110	52.7	41.5	219	1933
1934	38.1	42.7	56.7	224	268	462	335	302	215	128	68.9	42.5	182	1934
1935	20.7	23.9	30.6	130	355	497	808	591	270	138	81.0	58.6	252	1935
1936	35.6	30.6	26.6	379	583	527	358	351	242	118	59.3	40.3	230	1936
1937	19.7	19.1	24.6	122	153	307	455	352	200	153	93.5	32.2	162	1937
1938	27.8	23.9	38.4	166	124	421	638	401	359	191	79.1	48.1	211	1938
1939	39.6	34.0	40.1	166	144	304	502	348	228	127	82.4	48.7	173	1939
1940	29.8	27.1	27.2	243	398	321	361	310	258	142	69.1	39.9	186	1940
1941	27.1	29.5	25.2	124	82.9	201	367	308	231	138	75.9	20.9	136	1941
1942	20.7	23.7	25.4	125	128	508	725	529	363	188	81.8	62.0	233	1942
1943	54.5	43.2	43.8	477	280	398	661	425	248	151	78.7	32.0	242	1943
1944	24.1	29.3	33.3	171	161	1 050	---	---	---	192	84.6	31.3	---	1944
1945	30.3	36.4	38.7	90.6	173	402	410	333	259	197	72.7	60.1	176	1945
1946	48.5	43.9	52.7	203	160	628	562	320	239	126	69.0	41.3	208	1946
1947	37.9	35.2	34.1	281	325	457	509	366	278	191	96.5	70.7	224	1947
1948	50.6	41.6	39.6	196	1 510	946	572	563	304	151	62.8	38.2	375	1948
1949	40.0	33.0	34.4	168	153	254	303	355	211	105	47.5	28.0	145	1949
1950	19.5	26.6	27.4	140	183	429	605	378	234	130	51.5	33.0	189	1950
1951	33.3	26.4	26.0	385	539	410	580	406	328	163	77.6	60.3	254	1951
1952	44.1	38.7	37.0	465	254	711	824	502	259	178	98.6	40.5	288	1952
1953	29.9	31.9	39.3	113	371	710	674	521	409	156	88.7	43.6	267	1953
1954	34.1	37.3	38.5	90.8	468	1 110	744	676	1 110	353	157	96.7	411	1954
1955	54.8	60.0	43.7	412	560	626	561	336	215	122	45.3	31.9	257	1955
1956	33.5	31.5	29.1	491	501	529	486	393	259	163	80.2	38.7	253	1956
1957	35.3	25.6	27.1	222	425	418	305	293	239	156	103	53.8	193	1957
1958	36.9	40.1	36.8	348	354	571	695	392	267	133	81.7	28.1	250	1958
1959	25.1	32.2	30.4	156	140	485	627	384	230	182	86.2	52.8	204	1959
1960	28.7	38.6	37.6	293	217	349	673	397	181	143	71.0	30.9	206	1960
1961	36.0	33.0	31.0	163	190	540	363	513	251	115	51.7	25.8	193	1961
1962	45.8	45.4	53.0	223	261	431	539	461	240	121	103	67.6	217	1962
1963	47.1	56.8	76.0	502	391	462	540	405	256	143	57.5	49.5	250	1963
1964	57.5	62.6	62.2	178	359	617	623	271	206	271	104	76.5	241	1964
1965	51.2	51.7	95.3	455	498	945	1 330	558	325	331	126	98.8	408	1965
1966	88.2	97.0	81.9	299	269	383	601	566	300	198	89.6	73.8	255	1966
1967	74.8	86.1	81.0	69.9	381	621	557	327	228	148	73.1	42.4	225	1967
1968	46.1	76.0	149	241	146	346	405	461	261	164	97.9	57.8	204	1968
1969	70.0	75.9	57.8	441	343	399	737	496	269	163	72.5	69.5	267	1969
1970	62.6	68.6	75.9	327	290	479	568	334	187	93.1	61.7	57.2	218	1970
1971	64.4	51.9	55.5	390	407	601	574	531	213	127	67.1	53.9	262	1971
1972	61.0	56.5	60.9	369	321	584	854	407	161	173	92.2	62.8	268	1972
1973	99.0	91.9	112	348	406	398	399	251	216	184	111	103	227	1973
1974	107	135	127	765	1 140	606	546	282	250	219	147	123	372	1974
1975	121	120	120	230	442	266	242	148	137	101	73.7R	85.1	174 R	1975
1976	114	122	122	285	217	212	219	253	217	173	141	103	181	1976
1977	106	106	101	225	295	437	270	258	268	214	120	107	209	1977
1978	123	134	112	316	274	523	529	270	309	220	171	144	261	1978
1979	97.7	123	161	314	526	279	273	210	155	121	112	73.6	204	1979
1980	90.4	117	135	410	231	707	555	280	244	217	174	129	274	1980
1981	122	109	117	287	364	400	328	613	259	182	177	150	260	1981
1982	104	105	93.0	219	439	293	746	305	206	218	140	129	251	1982
1983	143	113	116	338	364	225	434	190	148	130	124	99.5	203	1983
1984	102	118	111	336	203	245	208	139	163	196	148	130	175	1984
1985	95.4	118	137	593	345	276	194	160	237	189	124	119	215	1985
1986	118	96.6	146	455	328	406	807	425	251	326	171	157	309	1986
1987	135	142	138	422	249	216	215	209	167	147	115	104	188	1987
1988	92.9	77.7	98.2	237	158	186	241	186	177	194	149	107	159	1988
1989	85.7	84.6	82.4	266	358	265	333	447	396	208	187	135	238	1989
1990	139	122	140	446	397	862	851	328	250	168	124	94.6	327	1990
MEAN	57.3	57.3	62.0	272	345	497	568	412	293	177	96.7R	65.9	242 R	MEAN

LOCATION - LAT 53 12 10 N LONG 105 46 06 W   DRAINAGE AREA, 131 000 km² REGULATED SINCE 1962

R - REVISED SINCE JAN 01 1989

NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT - STATION NO. 05GG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	2 070 AT 16:00 CST ON JUL 14	1 980 ON JUL 14	41.3B ON JAN 17	10 800 000	1912
1913	---	1 010 ON AUG 21	38.2B ON JAN 15	9 770 000	1913
1914	---	1 790 ON JUN 14	24.1B ON JAN 19	8 980 000	1914
1915	5 660 AT 13:00 CST ON JUL 02 *	5 300 ON JUL 02 *	36.2B ON JAN 01	12 200 000	1915
1916	---	1 510 ON JUN 27	26.6B ON FEB 15	11 000 000	1916
1917	---	1 540 ON MAY 23	29.4B ON DEC 27	9 760 000	1917
1918	---	926 ON JUN 22	29.4B ON NOV 19	6 380 000	1918
1919	---	527A ON APR 23	22.7B ON MAR 21	5 090 000	1919
1920	---	1 570A ON MAY 14	26.3B ON DEC 31	9 740 000	1920
1921	---	1 130B ON APR 22	19.3B ON JAN 03	7 130 000	1921
1922	719 AT 20:00 CST ON AUG 25	682 ON AUG 25	12.7B ON DEC 19	6 280 000	1922
1923	1 670 AT 08:00 CST ON JUN 30	1 640 ON JUN 30	12.6B ON JAN 06	8 610 000	1923
1924	767 AT 06:00 CST ON JUL 12	765 ON JUL 12	19.8B ON JAN 22	6 410 000	1924
1925	1 670A AT 12:30 CST ON AUG 23	1 620 ON AUG 23	32.0B ON FEB 21	9 300 000	1925
1926	---	1 350 ON SEP 09	27.3B ON FEB 23	7 940 000	1926
1927	---	1 650 ON APR 30	34.0B ON JAN 24	10 400 000	1927
1928	---	1 570 ON JUN 24	37.7B ON DEC 31	9 210 000	1928
1929	---	1 340 ON JUN 11	25.2B ON FEB 26	5 150 000	1929
1930	---	685 ON JUL 24	30.3B ON JAN 20	5 910 000	1930
1931	---	1 050 ON JUL 09	24.3B ON JAN 19	6 200 000	1931
1932	2 230 AT 06:15 CST ON JUN 10	2 160 ON JUN 10	24.6B ON MAR 16	8 080 000	1932
1933	---	954 ON JUN 25	27.7B ON MAR 11	6 890 000	1933
1934	---	756 ON JUN 08	22.7B ON JAN 07	5 750 000	1934
1935	---	1 560 ON JUL 16	11.2B ON JAN 23 *	7 950 000	1935
1936	---	1 620B ON APR 23	15.0B ON DEC 30	7 260 000	1936
1937	---	770 ON JUL 24	12.9B ON JAN 18	5 100 000	1937
1938	---	940 ON JUL 11	19.5B ON FEB 12	6 640 000	1938
1939	---	790 ON JUL 04	31.1B ON MAR 01	5 450 000	1939
1940	---	1 140B ON APR 23	23.7B ON FEB 20	5 880 000	1940
1941	---	487 ON JUL 06	11.3B ON DEC 26	4 300 000	1941
1942	---	1 230 ON JUL 20	13.0B ON JAN 04	7 550 000	1942
1943	---	1 180B ON APR 20	19.8B ON DEC 20	7 630 000	1943
1944	---	---	---	---	1944
1945	---	620 ON JUN 08	25.1B ON JAN 06	5 550 000	1945
1946	---	1 070 ON JUN 30	36.8B ON DEC 04	6 570 000	1946
1947	---	796 ON JUN 18	31.7B ON FEB 26	7 080 000	1947
1948	---	2 090 ON MAY 31	19.4B ON NOV 25	11 900 000	1948
1949	---	762 ON JUL 29	12.7B ON DEC 30	4 570 000	1949
1950	---	1 190 ON JUN 23	12.3B ON JAN 02	5 960 000	1950
1951	---	991 ON MAY 10	22.7B ON MAR 23	8 010 000	1951
1952	3 030 AT 15:00 CST ON JUN 29	2 970 ON JUN 29	31.7B ON DEC 27	9 110 000	1952
1953	1 190 AT 21:15 CST ON JUN 10	1 120 ON JUN 11	16.0B ON JAN 10	8 410 000	1953
1954	3 060 AT 16:00 CST ON JUN 12	2 790 ON JUN 12	12.4B ON JAN 23	13 000 000	1954
1955	---	951B ON APR 13	15.7B ON DEC 10	8 090 000	1955
1956	---	1 800B ON APR 21	18.0B ON DEC 26	8 010 000	1956
1957	---	623 ON JUN 18	19.8B ON FEB 02	6 070 000	1957
1958	1 330 AT 14:30 CST ON JUL 06	1 270 ON JUL 07	14.4B ON DEC 13	7 880 000	1958
1959	1 270 AT 20:00 CST ON JUL 04	1 190 ON JUL 05	15.7B ON JAN 25	6 420 000	1959
1960	1 010 AT 20:00 CST ON JUL 09	1 010 ON JUL 09	19.0B ON DEC 21	6 500 000	1960
1961	799 AT 17:00 CST ON AUG 07	799 ON AUG 07	14.2B ON DEC 20	6 100 000	1961
1962	767 AT 12:00 CST ON JUL 21	759 ON JUL 21	22.4B ON APR 06	6 840 000	1962
1963	1 160 AT 12:00 CST ON APR 22	1 110 ON APR 22	22.8B ON JAN 22	7 870 000	1963
1964	1 270 AT 09:00 CST ON JUN 27	1 250 ON JUN 27	45.9B ON DEC 31	7 630 000	1964
1965	2 520 AT 20:00 CST ON JUL 04	2 460A ON JUL 04	28.3B ON JAN 02	12 900 000	1965
1966	1 310 AT 15:00 CST ON JUL 12	1 280 ON JUL 12	20.1B ON DEC 20	8 040 000	1966
1967	883 AT 03:00 CST ON JUN 26	875 ON JUN 26	28.3B ON DEC 19	7 100 000	1967
1968	603 AT 20:00 CST ON AUG 16	589 ON AUG 16	38.8B ON JAN 04	6 460 000	1968
1969	1 590 AT 16:00 CST ON JUL 13	1 570 ON JUL 13	38.8B ON NOV 25	8 440 000	1969
1970	1 270 AT 10:00 CST ON JUN 24	1 250 ON JUN 24	30.6RB ON DEC 06	6 860 000	1970
1971	1 140 AT 01:10 CST ON JUN 17	1 110 ON JUN 17	39.6B ON DEC 24	8 280 000	1971
1972	2 380 AT 14:32 CST ON JUL 02	2 340 ON JUL 02	47.0B ON DEC 17	8 460 000	1972
1973	646 AT 18:02 CST ON JUL 03	620 ON JUL 03	74.5B ON NOV 21	7 160 000	1973
1974	4 050B AT 06:00 CST ON APR 23	3 880RB ON APR 23	84.7B ON NOV 19	11 700 000	1974
1975	790 AT 13:33 CST ON MAY 01	787 ON MAY 01	39.9B ON NOV 25	5 490 000	1975
1976	668 AT 13:11 CST ON APR 14	629B ON APR 14	52.7B ON DEC 21	5 740 000	1976
1977	929 AT 13:20 CST ON JUN 06	915 ON JUN 06	51.0B ON DEC 06	6 600 000	1977
1978	---	889A ON JUL 19	87.0RB ON NOV 18	8 230 000	1978
1979	---	1 060B ON MAY 03	55.3B ON DEC 31	6 440 000	1979
1980	1 630 AT 16:53 CST ON JUN 12	1 580 ON JUN 12	56.6B ON JAN 01	8 660 000	1980
1981	1 170 AT 04:33 CST ON AUG 02	1 150 ON AUG 02	86.4B ON FEB 19	8 210 000	1981
1982	1 730 AT 00:18 CST ON JUL 13	1 680 ON JUL 13	68.2B ON MAR 10	7 920 000	1982
1983	---	790B ON APR 21	80.6B ON DEC 23	6 390 000	1983
1984	835B AT 06:00 CST ON APR 08	754B ON APR 08	78.2B ON JAN 09	5 530 000	1984
1985	1 010B AT 08:30 CST ON APR 14	944B ON APR 14	67.6B ON DEC 04	6 790 000	1985
1986	3 420 AT 08:00 CST ON JUL 24	3 230 ON JUL 24	70.9B ON MAR 02	9 740 000	1986
1987	---	871B ON APR 13	71.0B ON DEC 15	5 930 000	1987
1988	529 AT 14:33 CST ON JUL 15	515 ON JUL 15	58.8B ON FEB 16	5 020 000	1988
1989	849 AT 11:37 CST ON AUG 12	834 ON AUG 12	61.1B ON FEB 19	7 510 000	1989
1990	2 050A AT 22:15 CST ON JUL 10	1 890 ON JUL 10	64.3B ON DEC 06	10 300 000	1990
				7 640 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

R - REVISED SINCE JAN 01 1989

NORTH SASKATCHEWAN RIVER NEAR DEER CREEK - STATION NO. 05EF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	618	379	271	189	111	48.6	---	1917
1918	56.1	46.9	45.5	206	202	506	463	301	266	161	81.6	36.1	203	1918
1919	35.8	30.7	27.9	119	174	279	334	428	282	99.3	56.0	40.7	160	1919
1920	36.9	27.1	29.8	66.2	784	610	759	500	232	131	74.2	38.7	276	1920
1921	36.1	33.0	33.7	251	335	432	416	373	165	96.4	---	---	---	1921
1922	---	---	---	---	288	424	421	498	277	126	---	---	---	1922
1944	---	---	---	---	217	1 110	697	589	329	180	---	---	---	1944
1945	---	---	37.9	76.4	215	420	423	346	244	191	---	---	---	1945
1946	---	---	43.4	175	163	760	516	319	233	114	---	---	---	1946
1947	---	---	51.4	225	358	487	544	348	267	179	---	---	---	1947
1948	---	---	39.3	151	1 340	813	559	590	274	135	---	---	---	1948
1949	---	---	30.3	109	148	238	383	317	176	87.6	60.0	19.8	---	1949
1950	23.2	25.7	28.8	90.9	159	509	551	355	214	104	44.7	33.1	179	1950
1951	28.8	26.7	27.4	219	469	407	600	384	299	154	97.4	56.3	232	1951
1952	45.7	44.1	39.5	346	230	871	712	486	246	151	73.0	31.9	273	1952
1953	31.1	41.2	39.3	99.5	364	768	637	559	307	129	78.6	38.2	259	1953
1954	31.7	40.0	43.1	109	476	1 030	688	822	817	280	139	59.7	379	1954
1955	47.7	55.9	47.3	280	433	579	542	276	179	92.4	39.6	30.3	218	1955
1956	35.0	31.6	29.8	341	321	508	488	378	220	115	67.7	36.8	215	1956
1957	40.9	23.6	27.4	196	394	414	311	291	213	148	102	50.9	187	1957
1958	47.0	37.8	41.6	238	388	575	720	373	240	114	---	---	---	1958
1969	---	---	---	---	271	396	723	481	251	133	77.3	71.2	---	1969
1970	69.4	70.9	72.8	237	231	506	492	291	148	79.8	52.5	74.3	194	1970
1971	62.3	55.1	55.2	353	273	528	565	458	187	115	86.2	49.7	241	1971
1972	65.3	64.8	84.9	263	271	774	681	333	145	155	88.6	73.4	252	1972
1973	79.4	109	113	279	364	360	294	214	170	150	97.3	86.9	193	1973
1974	93.4R	133	103	626	696	487	440	216	215	193	140 R	124 R	289 R	1974
1975	124	111	107	210	278	219	204	139	126	96.2	75.1	114	151	1975
1976	109	130	132	222	194	207	193	257	209	165	133	120	173	1976
1977	114	98.6	100	179	294	416	239	251	241	108	104	129	197	1977
1978	121	115	114	217	263	544	496	248	304	212	171	136	247	1978
1979	111	127	199	218	347	226	237	187	140	111	97.1	89.1	175	1979
1980	98.3	123	150	352	214	828	474	254	237	180	159	102	264	1980
1981	111	99.6	126	227	388	317	434	512	230	168	163	140	244	1981
1982	103	96.4	95.9	269	285	287	774	214	189	195	128	122	231	1982
1983	146	107	115	290	295	460	373	149	127	120	115	104	184	1983
1984	114	110	113	251	157	229	182	137	160	162	162	122	158	1984
1985	95.7	127	166	401	221	228	165	167	236	160	132	131	186	1985
1986	100	87.6	144	325	318	381	828	327	237	294	169	152	283	1986
1987	128	145	138	301	212	210	223	295	151	130	118	88.9	171	1987
1988	80.2	83.3	119	178	137	198	230	191	175	186	132	102	151	1988
1989	79.7	77.9	84.4	242	314	241	333	484	342	200	166	130	227	1989
1990	147	109	162	346	374	737	601	252	207	159	119	94.0	283	1990
MEAN	78.1R	78.4	81.0	239	330	486	480	348	237	152	106 R	82.2R	221 R	MEAN

LOCATION - LAT 53 31 00 N
LONG 109 36 40 W

DRAINAGE AREA 57 100 km²
REGULATED SINCE 1962

R - REVISED SINCE JAN 01 1989

REMARKS - RECORDS FOR 1917-22 AND 1944-58 COLLECTED IN NW16-53-25-W3

NORTH SASKATCHEWAN RIVER NEAR DEER CREEK - STATION NO. 05EF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	920 ON JUN 18	31.4B ON DEC 22	6 410 000	1918
1919	---	549 ON JUN 27	24.5B ON FEB 19	5 040 000	1919
1920	---	1 480 ON MAY 11	23.7B ON FEB 13	8 720 000	1920
1921	---	748 ON MAY 26	28.0B ON MAR 25	---	1921
1922	---	801 ON AUG 21	---	---	1922
1944	3 480 AT 21:20 MST ON JUN 17	3 110 ON JUN 17	---	---	1944
1945	---	677 ON JUN 04	---	---	1945
1946	---	1 290 ON JUN 26	---	---	1946
1947	---	784 ON JUN 15	---	---	1947
1948	---	1 830 ON MAY 25	---	---	1948
1949	---	804 ON JUL 24	---	---	1949
1950	---	1 120 ON JUN 19	11.4B ON DEC 06 *	5 640 000	1950
1951	---	1 020 ON MAY 05	20.6B ON DEC 31	7 320 000	1951
1952	3 310 AT 14:00 MST ON JUN 26	3 090 ON JUN 26	21.4B ON DEC 04	8 640 000	1952
1953	1 280 AT 04:00 MST ON JUN 07	1 240 ON JUN 07	16.0B ON JAN 22	8 170 000	1953
1954	3 230 AT 03:00 MST ON JUN 10	3 000 ON JUN 10	20.1B ON JAN 17	12 000 000	1954
1955	---	912 ON JUN 17	11.8B ON DEC 02	6 860 000	1955
1956	---	1 250B ON APR 17	12.3B ON DEC 12	6 780 000	1956
1957	660 AT 14:45 MST ON JUN 13	651 ON JUN 13	19.2B ON FEB 28	5 890 000	1957
1958	1 390 AT 09:30 MST ON JUL 02	1 330 ON JUL 02	---	---	1958
1969	1 570 AT 16:00 CST ON JUL 09	1 550 ON JUL 09	---	---	1969
1970	---	1 360A ON JUN 20	25.6B ON NOV 27	6 130 000	1970
1971	1 100 AT 08:26 CST ON JUN 10	1 080 ON JUN 10	32.6B ON DEC 17	7 610 000	1971
1972	3 170 AT 11:59 CST ON JUN 29	3 030 ON JUN 29	42.5B ON DEC 08	7 970 000	1972
1973	623 AT 04:49 CST ON JUN 29	580 ON JUL 05	58.0B ON JAN 16	6 100 000	1973
1974	---	1 660A ON APR 25	73.9RB ON JAN 18	9 120 000	1974
1975	481 AT 01:44 CST ON MAY 10	456 ON MAY 10	32.3B ON NOV 23	4 750 000	1975
1976	442 AT 20:11 CST ON AUG 22	439 ON AUG 22	58.4B ON DEC 13	5 460 000	1976
1977	954 AT 02:05 CST ON JUN 02	920 ON JUN 02	34.9B ON NOV 28	6 200 000	1977
1978	951 AT 09:48 CST ON JUL 15	943 ON JUL 15	95.3B ON MAR 10	7 790 000	1978
1979	877B AT 02:00 CST ON MAY 01	711B ON MAY 01	53.0B ON NOV 09	5 500 000	1979
1980	2 010 AT 14:42 CST ON JUN 08	1 890 ON JUN 08	48.0B ON DEC 09	8 340 000	1980
1981	1 180 AT 22:40 CST ON JUL 28	1 150 ON JUL 28	72.3B ON FEB 13	7 700 000	1981
1982	2 100 AT 08:25 CST ON JUL 08	2 030 ON JUL 08	63.9B ON MAR 04	7 280 000	1982
1983	610 AT 13:10 CST ON JUL 09	588 ON JUL 09	75.1B ON NOV 18	5 800 000	1983
1984	513 AT 10:43 CST ON APR 09	449 ON APR 09	88.0B ON MAR 06	5 000 000	1984
1985	767B AT 00:53 CST ON APR 12	675 ON SEP 18 *	57.5B ON JAN 08	5 850 000	1985
1986	3 960 AT 13:52 CST ON JUL 21 *	3 760 ON JUL 21 *	65.9B ON FEB 24	8 910 000	1986
1987	519 AT 17:25 CST ON APR 18	452 ON APR 18	68.3B ON DEC 08	5 380 000	1987
1988	547 AT 14:38 CST ON JUL 10	515 ON JUL 10	58.8B ON FEB 09	4 790 000	1988
1989	954 AT 17:00 CST ON AUG 07	941 ON AUG 07	53.9B ON JAN 05	7 160 000	1989
1990	2 600 AT 11:40 CST ON JUL 06	1 910 ON JUL 06	61.8B ON DEC 28	8 920 000	1990
				6 980 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

NORTH SASKATCHEWAN RIVER NEAR NORTH BATTLEFORD - STATION NO. 05EG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	36.4	39.7	41.1	238	337	474	959	765	492	229	110	55.1	316	1912
1913	34.5	44.0	55.6	272	274	565	654	612	336	182	100	61.2	267	1913
1914	33.8	32.2	36.8	144	345	879	734	387	243	197	119	48.7	268	1914
1915	47.5	41.6	49.4	212	---	---	---	---	---	---	---	52.5	---	1915
1916	36.1	32.4	37.4	155	220	663	842	672	583	278	165	76.5	314	1916
1917	61.2	51.4	44.6	271	628	618	578	441	315	---	---	---	---	1917
1967	---	---	---	---	---	755	582	333	209	123	---	---	---	1967
1968	---	---	---	---	158	388	488	490	272	172	---	---	---	1968
MEAN	41.6	40.2	44.2	215	327	620	691	529	350	197	124	58.8	291	MEAN

LOCATION - LAT 52 45 32 N LONG 108 18 48 W
DRAINAGE AREA, 69 900 km^2
REGULATED SINCE 1962

NORTH SASKATCHEWAN RIVER NEAR NORTH BATTLEFORD - STATION NO. 05EG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	1 860 ON JUL 12 *	33.7B ON JAN 16	9 990 000	1912
1913	---	1 160 ON JUN 17	28.6 ON JAN 11	8 430 000	1913
1914	---	1 820 ON JUN 11	23.4 ON JAN 11 *	8 440 000	1914
1915	---	---	35.4 ON MAR 18	---	1915
1916	---	1 470 ON JUN 25	30.3 ON FEB 11	9 930 000	1916
1917	---	1 310 ON MAY 21	---	---	1917
1967	---	1 140 ON JUN 23	---	---	1967
1968	---	722 ON AUG 13	---	---	1968
				9 200 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOTUKEU CREEK ABOVE ADMIRAL RESERVOIR - STATION NO. 05JB004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0.019	1.07	0.847	0.042	0.002	0	0.001	0.002	---	---	0.247	1975
1976	---	---	2.60	0.207	0.012	0.410	0.108	0.066	0.034	0.036	---	---	0.437	1976
1977	---	0.016	0.046	0.060	0.017	0	0	0	0	0	---	---	0.015	1977
1978	---	---	0.973	0.166	0.017	0	0	0	0.001	0	---	---	0.146	1978
1979	---	---	1.22	0.363	0.134	0.001	0.005	0.002	0.038	0	---	---	0.221	1979
1980	---	---	0.286	0.063	0	0.018	0.003	0	0	0.048	---	---	0.053	1980
1981	---	0.090	0.027	0.008	0.003	0.082	0.007	0	0	0	---	---	0.016	1981
1982	---	0.335	1.12	1.45	0.168	0.321	0.069	0	0	0.008	---	---	0.390	1982
1983	---	0.225	0.210	0.219	0.048	0.001	0.002	0	0	0	---	---	0.060	1983
1984	---	---	0.029	0.006	0	0	0	0	0	0	---	---	0.004	1984
1985	---	---	0.385	0.135	0.001	0	0	0	0	0	---	---	0.065	1985
1986	---	1.21	0.396	0.007	0.084	0	0	0	0.043	0.011	---	---	0.068	1986
1987	---	---	0.284	0.194	0.005	0	0	0	0	0	---	---	0.177	1987
1988	---	---	0.028	0.010	0	0	0.842	0.077	0	0	---	---	0.095	1988
1989	---	---	1.27	0.182	0.025	0.083	0.002	0	0	0	---	---	0.197	1989
1990	---	---	0.427	0.058	0.036	0.003	0.006	0	0	0	---	---	0.067	1990
MEAN	---	0.375	0.583	0.262	0.087	0.060	0.065	0.009	0.007	0.007	---	---	0.136	MEAN

LOCATION - LAT 49 42 32 N DRAINAGE AREA, 454 km²
LONG 108 07 31 W NATURAL FLOW

NOTUKEU CREEK ABOVE ADMIRAL RESERVOIR - STATION NO. 05JB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	13.7 AT 19:45 CST ON APR 21	9.32 ON APR 22	0B ON MAR 01 *	5 220	1975
1976	48.1 E AT 14:40 CST ON MAR 19	27.2 E ON MAR 19 *	0 ON MAY 27	9 260	1976
1977	0.680B AT 21:09 CST ON APR 05	0.270B ON MAR 07	0 ON JUN 07	325	1977
1978	---	3.99 B ON MAR 26	0B ON MAR 01	3 080	1978
1979	---	6.50 B ON MAR 17	0B ON MAR 01	4 680	1979
1980	---	0.828B ON MAR 28	0B ON MAR 03	1 120	1980
1981	0.848 AT 12:48 CST ON JUN 14	0.670 ON JUN 14	0 ON APR 28	333	1981
1982	14.4 B AT 17:14 CST ON APR 11	7.34 B ON APR 11	0 ON AUG 08	0 260	1982
1983	3.65 AT 21:06 CST ON MAR 30	1.89 B ON MAR 30	0 ON JUN 17	1 270	1983
1984	0.736B AT 07:30 CST ON MAR 20	0.176B ON MAR 21	0 ON APR 19	93.1	1984
1985	2.58 AT 15:40 CST ON MAR 18	1.78 ON MAR 18	0B ON MAR 01	1 380	1985
1986	15.8 B AT 20:17 CST ON FEB 26	1.78 B ON MAR 01	0 ON MAY 02	1 450	1986
1987	57.9 E AT 20:08 CST ON JUL 28 *	9.07 ON JUL 28	0 ON MAY 13	3 740	1987
1988	0.199B AT 09:28 CST ON MAR 15	0.093 ON MAR 21	0 ON MAY 05	102	1988
1989	8.98 B AT 17:25 CST ON MAR 12	5.08 B ON MAR 12	0B ON MAR 01	4 170	1989
1990	1.61 B AT 18:18 CST ON MAR 03	1.26 B ON MAR 04	0 ON JUN 23	1 410	1990
				2 870	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOTUKEU CREEK NEAR GRAVELBOURG - STATION NO. 05JB003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	0.030	5.26	0.610	9.80	7.96	0.325	0.099	0.128	---	---	3.00	1923
1924	---	---	0.011	2.40	0.366	0.477	0.115	0.404	0.015	0	---	---	0.468	1924
1925	---	---	10.3	24.0	1.46	0.635	0.222	0.043	---	---	---	---	---	1925
1936	---	---	---	10.3	0.585	0.093	---	---	---	---	---	---	---	1936
1940	---	---	---	19.5	---	---	---	---	---	---	---	---	---	1940
1944	---	---	0.066	6.86	0.508	0.678	---	---	---	---	---	---	---	1944
1945	---	---	4.50	0.757	0.373	0.268	---	---	---	---	---	---	---	1945
1946	---	---	4.57	0.660	0.099	0.002	---	---	---	---	---	---	---	1946
1947	---	---	0	7.63	0.657	0.305	---	---	---	---	---	---	---	1947
1948	---	---	3.48	7.50	1.10	0.063	---	---	---	---	---	---	---	1948
1949	---	---	0.688	1.77	0.109	0.021	---	---	---	---	---	---	---	1949
1950	---	---	0	16.2	2.17	0.680	---	---	---	---	---	---	---	1950
1951	---	---	0	21.1	6.84	0.672	---	---	---	---	---	---	---	1951
1952	---	---	0	50.7	2.37	0.237	---	---	---	---	---	---	---	1952
1953	---	---	0.581	15.2	2.38	4.06	---	---	---	---	---	---	---	1953
1954	---	---	0.303	13.7	2.04	1.32	---	---	---	---	---	---	---	1954
1955	---	---	0.260	19.3	4.56	0.693	---	---	---	---	---	---	---	1955
1956	---	---	0.912	3.21	1.05	0.279	---	---	---	---	---	---	---	1956
1957	---	---	2.85	2.87	0.575	0.191	0.091	0.020	0.001	0.001	---	---	0.820	1957
1958	---	---	0.465	13.2	0.531	0.071	0.079	0.018	0	0	---	---	1.76	1958
1959	---	---	1.91	0.128	0.040	0.006	0.045	0	0	0	---	---	0.269	1959
1960	---	---	7.36	3.36	0.432	1.09	0.496	0.064	0.001	0	---	---	1.60	1960
1961	---	---	2.15	0.464	0.105	0.028	0	0	0	0	---	---	0.345	1961
1962	---	---	0.074	7.82	0.353	0.238	0.431	0.800	0.024	0.010	---	---	1.20	1962
1963	---	---	4.57	1.97	0.094	3.44	0.118	0.080	0.046	0.423	---	---	1.09	1963
1964	---	---	0.095	0.646	0.182	0.002	0	0	0	0	---	---	0.114	1964
1965	---	---	0	11.5	1.88	0.447	1.10	0.324	0.172	0.119	---	---	1.92	1965
1966	---	---	12.6	2.99	0.892	0.215	0.199	0.089	0.025	0.038	---	---	2.14	1966
1967	---	---	0.151	24.8	6.26	1.12	0.313	0.055	0.032	0.097	---	---	4.04	1967
1968	---	---	4.03	0.263	0.058	0.053	0.017	0.020	0.093	0.029	---	---	0.576	1968
1969	---	---	0.052	17.2	2.73	0.888	2.57	0.516	0.180	0.163	---	---	3.00	1969
1970	---	---	3.02	19.0	2.17	1.08	0.436	0.085	0.014	0.017	---	---	3.18	1970
1971	---	---	0.016	11.8	1.30	0.343	0.221	0.008	0	0	---	---	1.68	1971
1972	---	---	0.356	0.231	0.058	0.095	0.018	0.128	0.001	0	---	---	0.111	1972
1973	---	---	0.418	0.167	0.050	0.002	0	0	0	0	---	---	0.080	1973
1974	---	---	0.024	21.0	5.68	1.51	0.096	0.335	0.306	0.006	---	---	3.57	1974
MEAN	---	---	1.94	10.2	1.45	0.831	0.691	0.158	0.050	0.052	---	---	1.55	MEAN

LOCATION - LAT 49 55 50 N DRAINAGE AREA, 4 230 km²
LONG 106 33 00 W REGULATED

MOTUKEU CREEK NEAR GRAVELBOURG - STATION NO. 05JB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	52.1 ON JUL 01	0 B ON MAR 01 *	63 500	1923
1924	---	15.3 ON APR 13	0 B ON MAR 01	9 900	1924
1925	---	127 E ON MAR 30	0 B ON MAR 01	---	1925
1936	---	40.2 ON APR 16	---	---	1936
1940	---	59.5 ON APR 23	---	---	1940
1944	---	30.9 ON APR 08	0 B ON MAR 01	---	1944
1945	---	26.1 B ON MAR 19	0 B ON MAR 01	---	1945
1946	---	14.0 ON MAR 19	0 B ON MAR 01	---	1946
1947	---	28.6 ON APR 09	0 B ON MAR 01	---	1947
1948	---	18.6 ON APR 22	0 B ON MAR 01	---	1948
1949	---	5.52 ON APR 06	0 B ON MAR 01	---	1949
1950	---	65.7 ON APR 22	0 B ON MAR 01	---	1950
1951	---	142 B ON APR 13	0 B ON MAR 01	---	1951
1952	---	193 E ON APR 10 *	0 B ON MAR 01	---	1952
1953	---	57.8 ON APR 06	---	---	1953
1954	---	48.4 ON APR 16	---	---	1954
1955	---	45.3 B ON APR 07	---	---	1955
1956	---	5.95B ON APR 11	---	---	1956
1957	---	19.6 B ON MAR 29	0 ON AUG 29	17 400	1957
1958	---	51.5 ON APR 07	0 ON AUG 12	37 300	1958
1959	---	6.00B ON MAR 12	0 ON MAY 14	5 690	1959
1960	37.7 AT 15:30 ON MAR 28	37.1 ON MAR 29	0 B ON MAR 01	33 900	1960
1961	6.68B AT 06:00 ON MAR 23	6.31B ON MAR 23	0 B ON MAR 01	7 110	1961
1962	23.7 AT 21:00 MST ON APR 09	23.6 ON APR 10	0 B ON MAR 01	25 400	1962
1963	17.6 AT 19:30 MST ON MAR 29	17.1 ON MAR 29	0 B ON MAR 01	23 100	1963
1964	---	1.33 ON APR 12	0 B ON MAR 01	2 420	1964
1965	56.9 ON APR 19	54.7 ON APR 19	0 B ON MAR 01	40 600	1965
1966	---	43.9 B ON MAR 23	0.006 ON SEP 20	45 300	1966
1967	118 AT 02:00 CST ON APR 16 *	111 ON APR 16	0 ON AUG 28	85 600	1967
1968	---	9.88 ON MAY 08	0 ON JUL 19	12 200	1968
1969	67.4 B AT 03:00 CST ON APR 11	60.3 B ON APR 11	0 B ON MAR 01	63 400	1969
1970	---	49.6 ON APR 13	0 B ON MAR 01	67 400	1970
1971	37.9 AT 11:30 CST ON APR 13	37.9 ON APR 13	0 B ON MAR 01	35 600	1971
1972	---	2.67B ON MAR 26	0 B ON MAR 01	2 350	1972
1973	---	1.62B ON MAR 17	0 ON MAY 17	1 690	1973
1974	---	56.9 ON APR 14	0 B ON MAR 01	75 500	1974
				32 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOTUKEU CREEK NEAR VANGUARD - STATION NO. 05JB001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	0.056	0.061	0.121	0.085	0.042	---	1914
1915	0	0	0.205	1.18	0.736	0.558	0.282	0.146	0.060	0.099	0.061	0.024	0.406	1915
1916	0	0	16.7	1.36	1.15	1.57	7.17	0.692	0.564	0.498	0.136	0.039	4.47	1916
1917	0	0	0	21.9	2.33	0.462	0.207	0.110	0.067	0.077	0.140	0.037	3.09	1917
1918	0	0	15.1	0.961	0.362	0.131	0.029	0.011	0.001	0	0.007	0.006	2.09	1918
1919	0	0	0.014	2.28	0.177	0.020	0.003	0	0	0	0	0	0.306	1919
1920	0	0	9.54	1.80	0.491	0.780	0.227	0.034	0.012	0.023	0.007	0.001	1.62	1920
1921	0	0.003	1.18	0.828	0.272	0.503	0.075	0.055	0.112	0.119	0.037	0.011	0.392	1921
1922	0	0	2.33	11.7	0.714	0.350	0.253	0.041	0.040	0.031	0.030	0.006	1.90	1922
1923	0	0	---	---	---	---	---	---	---	---	---	---	---	1923
1940	---	---	---	19.3	---	---	---	---	---	---	---	---	---	1940
1944	---	---	0.459	6.35	0.366	0.454	---	---	---	---	---	---	---	1944
1945	---	---	4.57	0.402	0.254	---	---	---	---	---	---	---	---	1945
1946	---	---	3.40	0.444	0.087	0.135	---	---	---	---	---	---	---	1946
1947	---	---	1.75	4.11	0.377	0.662	---	---	---	---	---	---	---	1947
1948	---	---	4.68	4.42	0.711	0.236	---	---	---	---	---	---	---	1948
1949	---	---	1.05	1.16	0.095	0.019	---	---	---	---	---	---	---	1949
1950	---	---	0	23.8	1.15	0.464	---	---	---	---	---	---	---	1950
1951	---	---	0.014	22.2	4.08	0.919	---	---	---	---	---	---	---	1951
1952	---	---	0.035	66.7	1.40	0.443	---	---	---	---	---	---	---	1952
1953	---	---	10.2	7.63	1.91	4.49	---	---	---	---	---	---	---	1953
1954	---	---	0.158	15.4	1.18	1.86	---	---	---	---	---	---	---	1954
1955	---	---	2.29	20.4	3.57	0.449	---	---	---	---	---	---	---	1955
1956	---	---	1.27	2.30	0.765	0.240	---	---	---	---	---	---	---	1956
1957	---	---	5.24	1.38	0.519	0.339	0.144	0.071	0.019	0.065	---	---	---	1957
1958	---	---	3.08	13.3	0.227	0.478	0.217	0.064	0.015	0.018	---	---	0.976	1958
1959	---	---	1.94	0.131	0.062	0.070	0.065	0.028	0.017	0.042	---	---	2.18	1959
													0.297	
1960	---	---	11.0	1.25	0.285	0.963	0.297	0.317	0.026	0.107	---	---	1.80	1960
1961	---	---	1.80	0.542	0.266	0.143	0.076	0.036	0.093	0.060	---	---	0.381	1961
1962	---	---	1.67	6.67	0.132	0.157	0.723	0.053	0.054	0.123	---	---	1.18	1962
1963	---	---	2.67	0.879	0.250	1.52	0.215	0.088	0.019	0.577	---	---	0.777	1963
1964	---	---	0.077	0.331	0.076	0.121	0.198	0.082	0.012	0	---	---	0.112	1964
1965	---	---	0	16.3	1.25	0.660	1.18	0.372	0.289	0.356	---	---	2.51	1965
1966	---	---	14.8	1.70	0.951	0.351	0.256	0.154	0.124	0.043	---	---	2.31	1966
1967	---	---	1.06	22.2	5.72	1.42	0.569	0.151	0.114	0.172	---	---	3.87	1967
1968	---	---	3.34	0.239	0.145	0.191	0.099	0.140	0.045	0.114	---	---	0.531	1968
1969	---	---	0.142	19.1	1.97	0.721	2.36	0.540	0.247	0.243	---	---	3.12	1969
1970	---	---	4.00	14.6	1.40	1.07	0.108	0.005	0.049	0.080	---	---	2.63	1970
1971	---	---	0.050	11.6	1.07	0.371	0.197	0.126	0.020	0.014	---	---	1.65	1971
1972	---	---	0.325	0.209	0.220	0.237	0.028	0.145	0.093	0.105	---	---	0.170	1972
1973	---	---	0.501	0.072	0.035	0.037	0.015	0.009	0.010	0	---	---	0.085	1973
1974	---	---	1.53	13.8	5.04	0.845	0.323	0.374	0.219	0.139	---	---	2.76	1974
1975	---	---	0.046	5.52	5.13	0.262	0.142	0.304	0.071	0.493	---	---	1.49	1975
1976	---	---	18.4	6.99	0.737	1.65	1.18	0.628	0.050	0.063	---	---	3.72	1976
1977	---	---	0.135	0.139	0.223	0.056	0.001	0	0	0	---	---	0.069	1977
1978	---	---	4.55	5.93	0.900	0.318	1.03	0.097	0.113	0.053	---	---	1.62	1978
1979	---	---	4.40	8.62	2.06	0.349	0.172	0.079	0.016	0.027	---	---	1.95	1979
1980	---	---	1.70	1.69	0.273	0.094	0.081	0.009	0.012	0.065	---	---	0.490	1980
1981	---	---	0.196	0.144	0.072	0.059	0.167	0.038	0.017	0.027	---	---	0.115	1981
1982	---	---	2.11	9.57	0.971	1.62	1.86	0.212	0.103	0.125	---	---	2.05	1982
1983	---	0.218	0.730	6.10	0.835	0.190	0.112	0.029	0.007	0.027	---	---	0.990	1983
1984	---	0.050	0.088	0.051	0.002	0.001	0	0	0	0	---	---	0.018	1984
1985	---	---	0.455	0.247	0.018	0	0	0	0	0	---	---	0.090	1985
1986	---	1.30	4.56	0.993	0.706	0.323	0.102	0.015	0.048	0.177	---	---	0.870	1986
1987	---	0.205	0.605	1.28	0.378	0.101	0.003	0.068	0.014	0.044	---	---	0.310	1987
1988	---	---	0.013	0.035	0.036	0.012	0.100	0.022	0.006	0	---	---	0.026	1988
1989	---	---	1.89	3.97	0.365	0.993	0.039	0.051	0.068	0.050	---	---	0.919	1989
1990	---	0.009	0.479	0.396	0.140	0.051	0.021	0.053	0.037	0.034	---	---	0.151	1990
MEAN	0	0.128	3.06	7.48	0.999	0.565	0.484	0.128	0.068	0.100	0.078	0.018	1.35	MEAN

LOCATION - LAT 49 55 03 N DRAINAGE AREA, 3 540 km²
LONG 107 11 08 W REGULATED

MOTUKEU CREEK NEAR VANGUARD - STATION NO. 05JB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ? ON AUG 01 *	---	1914
1915	---	5.66 ON APR 05	0 B ON MAR 01	8 590	1915
1916	---	63.7 B ON MAR 29	0 B ON MAR 01	94 700	1916
1917	---	95.1 ON APR 11	0 ON MAR 01	65 400	1917
1918	---	78.4 ON MAR 20	0 B ON MAR 01	44 300	1918
1919	---	10.2 B ON APR 04	0 B ON MAR 01	6 480	1919
1920	---	78.2 B ON MAR 23	0 B ON MAR 01	34 400	1920
1921	---	3.43 B ON MAR 27	0 ON JUL 24	8 300	1921
1922	---	64.6 B ON APR 04	0 B ON MAR 01	40 300	1922
1923	---	---	---	---	1923
1940	112 AT 18:00 MST ON APR 16	106 ON APR 16	0 B ON MAR 23	---	1940
1944	42.5 B AT 17:30 MST ON APR 03	41.9 B ON APR 03	0 B ON MAR 01	---	1944
1945	28.9 B AT 18:00 MST ON MAR 14	28.9 B ON MAR 14	0 B ON MAR 01	---	1945
1946	20.1 AT 18:00 MST ON MAR 14	19.3 ON MAR 14	0 B ON MAR 01	---	1946
1947	10.3 AT 14:00 MST ON APR 13	10.2 ON APR 13	0 B ON MAR 01	---	1947
1948	26.6 AT 09:00 MST ON APR 18	26.1 ON APR 18	0 B ON MAR 01	---	1948
1949	---	4.30 B ON MAR 31	0 B ON MAR 01	---	1949
1950	113 AT 17:00 MST ON APR 17	110 ON APR 17	0 B ON MAR 01	---	1950
1951	85.0 B AT 06:30 MST ON APR 07	81.6 B ON APR 07	0 B ON MAR 01	---	1951
1952	227 E AT 16:00 MST ON APR 07 *	208 E ON APR 07 *	0 B ON MAR 01	---	1952
1953	88.3 AT 18:00 MST ON MAR 30	86.7 ON MAR 30	0 B ON MAR 01	---	1953
1954	63.4 AT 15:30 MST ON APR 09	63.4 ON APR 09	---	---	1954
1955	84.1 AT 08:15 MST ON APR 02	81.8 ON APR 02	---	---	1955
1956	6.60 B AT 10:00 MST ON MAR 24	6.20 B ON MAR 21	0 B ON MAR 01	---	1956
1957	32.3 B AT 16:00 MST ON MAR 24	31.7 B ON MAR 24	0.008 ON SEP 30	20 700	1957
1958	85.2 AT 08:30 MST ON APR 02	82.7 ON APR 02	0 B ON OCT 06	46 200	1958
1959	6.12 B AT 04:00 MST ON MAR 02	4.81 B ON MAR 02	0.009 ON SEP 24	6 290	1959
1960	61.2 B AT 20:00 CST ON MAR 22	55.8 B ON MAR 23	0 B ON MAR 01	38 000	1960
1961	5.83 B AT 14:30 CST ON MAR 17	5.01 B ON MAR 17	0 ON JUL 07	8 060	1961
1962	29.4 B AT 17:30 CST ON APR 06	24.1 B ON APR 07	0 B ON MAR 01	25 100	1962
1963	18.5 B AT 22:30 CST ON MAR 25	16.0 ON MAR 26	0 ON SEP 02	16 400	1963
1964	---	0.906 ON JUL 20	0 B ON MAR 01	2 360	1964
1965	118 AT 12:30 CST ON APR 13	90.3 ON APR 14	0 B ON MAR 01	53 100	1965
1966	---	69.9 B ON MAR 16	0.008 ON SEP 12	49 000	1966
1967	---	92.9 ON APR 12	0.021B ON MAR 01	82 000	1967
1968	---	6.91 B ON MAR 10	0 ON MAY 24	11 200	1968
1969	104 B AT 20:30 CST ON APR 06	89.2 B ON APR 06	0.062 ON OCT 23	66 000	1969
1970	83.8 B AT 15:00 CST ON APR 08	73.9 B ON APR 08	0 ON JUL 22	55 700	1970
1971	43.6 AT 00:24 CST ON APR 10	42.5 ON APR 09	0.009 ON SEP 14	35 000	1971
1972	1.60 B AT 05:59 CST ON MAR 17	1.38 B ON MAR 21	0 B ON MAR 01	1 610	1972
1973	1.33 B AT 24:20 CST ON MAR 09	1.21 B ON MAR 09	0 ON MAY 31	1 810	1973
1974	39.1 B AT 22:51 CST ON MAR 31	32.8 B ON MAR 31	0.057B ON MAR 01	58 300	1974
1975	30.9 AT 04:45 ON APR 25	29.2 ON APR 25	0 ON JUL 24	31 600	1975
1976	---	112 B ON MAR 22	0.012 ON SEP 17	78 800	1976
1977	2.31 AT 02:25 CST ON MAY 18	0.980 ON MAY 18	0 ON APR 28	1 470	1977
1978	---	21.2 B ON MAR 30	0 ON AUG 12	34 300	1978
1979	28.4 B AT 08:12 CST ON APR 12	27.1 B ON APR 12	0 B ON MAR 01	41 300	1979
1980	8.67 AT 10:41 CST ON APR 17	8.15 ON APR 17	0 ON MAY 28	10 400	1980
1981	---	3.58 ON APR 06	0 ON JUN 05	2 430	1981
1982	40.6 B AT 06:54 CST ON APR 15	33.8 B ON APR 15	0.006 ON AUG 11	43 400	1982
1983	29.5 B AT 00:20 CST ON APR 02	26.8 B ON APR 02	0.002 ON JUN 28	21 000	1983
1984	0.285 AT 03:17 CST ON APR 12	0.269 ON APR 12	0 ON JUN 24	376	1984
1985	9.56 AT 02:44 CST ON APR 16	2.50 B ON MAR 19	0 B ON MAR 01	1 910	1985
1986	28.0 B AT 15:17 CST ON FEB 28	20.5 B ON MAR 01	0 ON AUG 15	18 400	1986
1987	8.58 AT 22:10 CST ON APR 20	4.46 ON APR 21	0 ON JUL 08	6 560	1987
1988	0.921 AT 10:37 CST ON JUL 07	0.808 ON JUL 07	0 ON JUL 03	541	1988
1989	10.3 AT 12:52 CST ON APR 18	9.20 A ON APR 18	0 B ON MAR 01	19 500	1989
1990	2.32 AT 11:29 CST ON APR 17	1.96 ON APR 17	0 ON APR 05	3 200	1990
				28 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR GOLDFIELDS - STATION NO. 07MC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	---	---	5.06	3.48	---	1935
1936	2.16	2.00	1.86	---	---	---	---	---	---	---	---	---	---	1936
MEAN	2.16	2.00	1.86	---	---	---	---	---	---	---	5.06	3.48	---	MEAN

LOCATION - LAT 59 29 40 N LONG 108 03 50 W
DRAINAGE AREA, 934 km^2
NATURAL FLOW

OLDMAN RIVER NEAR GOLDFIELDS - STATION NO. 07MC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	---	---	1935
1936	---	---	---	---	1936
				---	MEAN

OPUNTIA LAKE WEST INFLOW - STATION NO. 05GC007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0.061	0.010	0	0	0	0	0	0	---	---	0.009	1960
1961	---	---	0.019	0.001	0	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0	0.245	0.001	0	0	0	0	0	---	---	0.030	1962
1963	---	---	0.111	0.064	0	0.004	0.014	0	0	0	---	---	0.024	1963
1964	---	---	0.036	0.054	0	0	0	0	0	0	---	---	0.010	1964
1965	---	---	0	0.809	0.001	0	0	0	0	0	---	---	0.099	1965
1966	---	---	0.180	0.210	0	0	0	0	0	0	---	---	0.049	1966
1967	---	---	0	0.325	0.077	0	0	0	0	0	---	---	0.050	1967
1968	---	---	0.077	0	0	0	0	0	0	0	---	---	0.010	1968
1969	---	---	0	1.29	0.004	0	0	0	0	0	---	---	0.159	1969
1970	---	---	0	1.10	0	0.285	0.176	0.001	0	0	---	---	0.192	1970
1971	---	---	0	0.551	0	0	0	0	0	0	---	---	0.067	1971
1972	---	---	0.058	0.074	0	0	0	0.002	0	0	---	---	0.017	1972
1973	---	---	0.018	0.005	0	0	0	0	0	0	---	---	0.003	1973
1974	---	---	0	0.605	0.002	0	0	0.005	0	0	---	---	0.075	1974
1975	---	---	0	0.370	0.010	0	0	0	0	0	---	---	0.047	1975
1976	---	---	0.033	0.225	0	0	0	0	0	0	---	---	0.032	1976
1977	---	---	0	0	0.048	0	0	0	0	0	---	---	0.006	1977
1978	---	---	0.215	0.076	0	0	0.010	0	0	0	---	---	0.038	1978
1979	---	---	0.060	0.116	0	0	0	0	0	0	---	---	0.022	1979
1980	---	---	0.017	0.013	0	0	0.001	0	0	0	---	---	0.004	1980
1981	---	---	0.045	0	0	0.025	0	0	0	0	---	---	0.009	1981
1982	---	---	0	0.193	0.003	0.062	0.193	0	0	0	---	---	0.045	1982
1983	---	---	0.114	0.178	0	0	0	0	0	0	---	---	0.036	1983
1984	---	---	0.058	0.001	0	0	0	0	0	0	---	---	0.008	1984
1985	---	---	0	0.763	0.001	0	0	0	0	0.003	---	---	0.094	1985
1986	---	---	0.003	0.005	0.010	0	0	0	0	0	---	---	0.013	1986
1987	---	---	0.055	0.027	0	0	0	0	0.026	0	---	---	0.013	1987
1988	---	---	0.011	0.003	0	0.002	0	0	0	0	---	---	0.002	1988
1989	---	---	0	0.081	0	0	0	0	0	0	---	---	0.010	1989
1990	---	---	0.048	0	0.002	0.008	0.007	0	0	0	---	---	0.008	1990
MEAN	---	---	0.042	0.238	0.005	0.012	0.013	0	0.001	0	---	---	0.038	MEAN

LOCATION - LAT 51 47 15 N DRAINAGE AREA, 94.5 km²
LONG 108 37 30 W NATURAL FLOW

OPUNTIA LAKE WEST INFLOW - STATION NO. 05GC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	0.311B ON MAR 25	0B ON MAR 01 *	188	1960
1961	0.612 AT 14:00 CST ON MAR 26	0.119 ON MAR 25	0B ON MAR 01	53.6	1961
1962	---	2.45 E ON APR 06	0B ON MAR 01	537	1962
1963	3.06 B AT 10:45 CST ON MAR 29	1.06 E ON MAR 29	0E ON MAR 01	511	1963
1964	---	0.433A ON APR 03	0B ON MAR 01	209	1964
1965	---	3.94 B ON APR 15	0B ON MAR 01	2 100	1965
1966	---	2.85 ON APR 01	0B ON MAR 01	1 030	1966
1967	3.09 AT 10:30 CST ON APR 28	2.00 ON APR 28	0B ON MAR 01	1 050	1967
1968	2.16 B AT 14:00 CST ON MAR 02	0.552B ON MAR 07	0 ON MAR 12	205	1968
1969	17.3 AT 16:45 CST ON APR 12 *	11.3 ON APR 12 *	0 ON MAR 01	3 160	1969
1970	11.3 AT 1.:00 CST ON APR 11	9.26 ON APR 11	0B ON MAR 01	4 070	1970
1971	6.31 AT 11:59 CST ON APR 08	4.16 ON APR 08	0B ON MAR 01	1 430	1971
1972	0.906B AT 20:57 CST ON APR 01	0.479B ON MAR 25	0B ON MAR 01	353	1972
1973	---	0.144B ON MAR 20	0B ON MAR 01	60.0	1973
1974	9.12 AT 18:00 CST ON APR 19	7.08 B ON APR 19	0B ON MAR 01	1 590	1974
1975	---	1.50 ON APR 20	0B ON MAR 01	985	1975
1976	1.95 AT 11:15 CST ON APR 06	1.36 ON APR 06	0B ON MAR 01	671	1976
1977	2.33 AT 18:54 CST ON MAY 19	0.564 ON MAY 19	0 ON MAR 01	128	1977
1978	3.28 B AT 12:09 CST ON MAR 29	2.13 E ON MAR 29	0B ON MAR 01	800	1978
1979	2.03 AT 19:08 CST ON APR 19	1.34 ON APR 19	0B ON MAR 01	460	1979
1980	0.952 AT 16:31 CST ON MAR 31	0.321B ON MAR 31	0B ON MAR 01	80.4	1980
1981	4.65 AT 01:07 CST ON JUN 07	0.690 ON JUN 07	0B ON MAR 01	188	1981
1982	4.82 AT 05:16 CST ON JUL 02	2.75 ON JUL 02	0B ON MAR 01	953	1982
1983	2.47 B AT 18:49 CST ON MAR 29	1.52 ON APR 03	0B ON MAR 01	770	1983
1984	1.19 B AT 16:46 CST ON MAR 23	0.777B ON MAR 24	0B ON MAR 01	159	1984
1985	5.05 B AT 05:29 CST ON APR 02	3.84 B ON APR 03	0B ON MAR 01	1 990	1985
1986	1.52 AT 04:02 CST ON MAR 30	0.839 ON MAR 30	0B ON MAR 01	265	1986
1987	0.506 AT 19:49 CST ON APR 01	0.379A ON MAR 30	0 ON MAR 01	283	1987
1988	0.170 AT 16:53 CST ON MAR 31	0.132 ON MAR 31	0 ON MAR 01	41.2	1988
1989	2.84 B AT 19:40 CST ON APR 02	0.847B ON APR 02	0B ON MAR 01	212	1989
1990	1.32 B AT 11:48 CST ON MAR 08	0.515B ON MAR 08	0= ON MAR 01	173	1990
				807	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OSCAR CREEK NEAR KRYDOR - STATION NO. 05GD002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	1.35	---	---	---	---	---	---	---	---	---	1969
1970	---	---	0	1.23	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0	---	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0	2.29	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	---	---	---	---	---	---	---	---	---	---	1974
1976	---	---	---	---	---	---	---	---	---	---	---	---	---	1976
1977	---	---	---	---	---	---	---	---	---	---	---	---	---	1977
1978	---	---	0.049	0.151	0.123	0.049	0.003	0.012	0.022	0.042	---	---	0.056	1978
1979	---	---	0.021	0.398	0.987	0.164	0.019	0.006	0.008	0.127	---	---	0.217	1979
1980	---	---	0.012	0.182	0.006	0.009	0.005	0.005	0.003	0.015	---	---	0.029	1980
1981	---	---	0.034	0.103	0.030	0.028	0.071	0.043	0.003	0.003	---	---	0.039	1981
1982	---	---	0.045	0.176	0.039	0.095	0.078	0.044	0.003	0.007	---	---	0.060	1982
1983	---	---	0.048	0.515	0.258	0.017	0.027	0.002	0.001	0.006	---	---	0.109	1983
1984	---	---	0.046	0.073	0.067	0.067	0.011	0.017	0.010	0.050	---	---	0.043	1984
1985	---	---	0	2.96	1.65	0.037	0.007	0.002	0.003	0.012	---	---	0.579	1985
1986	---	---	0.097	0.291	0.139	0.008	0.057	0.007	0.015	0.034	---	---	0.081	1986
1987	---	---	0.030	0.431	0.022	0.015	0.011	0.015	0.010	0.012	---	---	0.067	1987
1988	---	---	0.036	0.220	0.026	0.012	0.004	0.023	0.011	0.014	---	---	0.043	1988
1989	---	---	0.018	0.127	0.032	0.022	0.009	0.002	0.007	0.015	---	---	0.029	1989
1990	---	---	0.162	0.091	0.075	0.065	0.235	0	0	0.011	---	---	0.080	1990
MEAN	---	---	0.035	0.662	0.266	0.045	0.041	0.014	0.007	0.027	---	---	0.110	MEAN

LOCATION - LAT 52 46 27 N LONG 107 07 41 W DRAINAGE AREA, 240 km² NATURAL FLOW

OSCAR CREEK NEAR KRYDOR - STATION NO. 05GD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	0 B ON MAR 01 *	---	1968
1969	---	4.36 ON APR 13	0 B ON MAR 01	---	1969
1970	---	3.23 ON APR 27	0 B ON MAR 01	---	1970
1971	---	---	0 B ON MAR 01	---	1971
1972	---	5.95 ON APR 13	0 B ON MAR 02	---	1972
1973	---	---	0 B ON MAY 02	---	1973
1974	---	---	0 ON APR 01	---	1974
1976	---	---	0 B ON MAR 10	---	1976
1977	---	---	0 B ON MAR 02	---	1977
1978	---	0.314 ON APR 10	0 ON JUL 13	1 190	1978
1979	1.59 AT 08:40 CST ON MAY 17	1.55 B ON APR 25	0 ON JUL 19	4 580	1979
1980	---	0.769B ON APR 15	0.001 ON AUG 24	617	1980
1981	---	0.233 ON AUG 04	0 ON AUG 15	830	1981
1982	1.85 AT 19:56 CST ON AUG 05	0.819B ON APR 15	0 ON MAY 07	1 280	1982
1983	2.72 B AT 13:08 CST ON APR 19	1.72 B ON APR 25	0 ON JUN 18	2 300	1983
1984	2.66 AT 12:31 CST ON MAY 25	0.440 ON MAY 19	0 ON JUL 03	903	1984
1985	10.6 AT 09:07 CST ON APR 22 *	10.1 ON APR 22 *	0 B ON MAR 01	12 300	1985
1986	1.51 B AT 06:17 CST ON APR 10	0.598B ON MAR 31	0.001B ON MAR 08	1 710	1986
1987	1.92 AT 11:58 CST ON SEP 11	0.917B ON APR 06	0 ON MAY 09	1 420	1987
1988	1.16 B AT 07:29 CST ON APR 05	0.765B ON APR 03	0.001 ON JUL 21	910	1988
1989	0.672B AT 11:00 CST ON APR 06	0.444B ON APR 06	0 ON AUG 09	610	1989
1990	1.46 AT 16:20 CST ON JUL 20	1.20 ON JUL 04	0 ON AUG 05	1 700	1990
MEAN				2 330	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OTHERSIDE RIVER AT OUTLET OF MERCREDI LAKE - STATION NO. 07LE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	15.2	16.2	17.5	20.4	18.4	12.8	---	1976
1977	10.5	10.6	10.9	18.7	24.8	24.2	21.3	20.2	24.8	20.4	17.9	12.6	18.1	1977
1978	11.7	11.5	11.1	12.4	26.3	20.2	16.3	16.4	19.8	18.4	15.3	13.7	16.1	1978
1979	12.6	12.0	11.7	11.9	22.0	20.2	13.5	12.2	13.1	17.7	16.1	10.3	14.5	1979
1980	10.5	10.9	11.5	15.7	14.4	10.7	9.47	9.02	9.42	10.8	10.5	7.40	10.9	1980
1981	8.09	7.78	8.57	9.97	25.7	14.5	11.3	8.14	7.15	8.91	9.89	8.45	10.7	1981
1982	4.91	4.47	4.70	6.88	29.4	15.8	10.5	10.8	13.6	13.0	10.7	8.77	11.2	1982
1983	8.51	8.75	8.70	12.5	17.5	16.9	12.7	12.6	15.6	16.8	14.8	10.4	13.0	1983
1984	10.2	10.4	9.68	16.9	18.2	16.2	17.8	18.4	23.7	22.5	19.9	15.6	16.6	1984
1985	13.6	15.4	14.0	14.1	39.8	26.1	19.0	14.8	19.1	19.1	16.8	13.3	18.8	1985
1986	13.4	13.9	13.3	16.9	32.4	21.8	23.4	19.7	17.6	17.5	14.8	11.3	18.2	1986
1987	13.1	13.2	12.5	17.4	31.0	21.0	17.4	17.1	19.4	18.0	17.6	15.0	17.7	1987
1988	13.3	14.2	13.2	13.5	28.6	22.0	18.9	17.6	23.3	21.9	19.6	17.2	18.6	1988
1989	15.0	15.0	15.0	14.5	35.2	28.4	20.5	13.4	16.5	19.1	16.1	14.1	18.6	1989
1990	13.3	12.4	11.3	13.7	23.3	18.3	17.4	13.1	11.9	14.3	14.5	13.5	14.8	1990
MEAN	11.3	11.5	11.2	13.9	26.3	19.7	16.3	14.6	16.6	17.2	15.5	12.4	15.6	MEAN

LOCATION - LAT 58 55 40 N LONG 107 29 20 W DRAINAGE AREA, 2 700 km² NATURAL FLOW

OTHERSIDE RIVER AT OUTLET OF MERCREDI LAKE - STATION NO. 07LE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	22.6R ON OCT 21	---	---	1976
1977	31.5 AT 17:56 CST ON MAY 03	31.0R ON MAY 03	9.96RB ON FEB 03	571 000	1977
1978	---	30.7E ON MAY 10	10.3 RB ON MAR 11	508 000	1978
1979	33.6 AT 16:31 CST ON MAY 24	33.4 ON MAY 24	9.82B ON DEC 19	456 000	1979
1980	22.6 AT 00:08 CST ON APR 27	22.5 ON APR 27	6.34 ON DEC 26	343 000	1980
1981	31.9 AT 16:52 CST ON MAY 12	31.6 ON MAY 12	6.12B ON DEC 31	338 000	1981
1982	38.3 AT 17:21 CST ON MAY 07	38.0 ON MAY 07	4.14 ON MAR 04 *	352 000	1982
1983	21.1 AT 08:38 CST ON MAY 02	21.0 ON APR 30	8.06 ON JAN 17	409 000	1983
1984	26.0 AT 14:54 CST ON SEP 07	25.8 ON SEP 07	8.09 ON MAR 18	526 000	1984
1985	52.0 AT 10:12 CST ON MAY 11 *	51.7 ON MAY 13 *	12.4 ON DEC 19	592 000	1985
1986	36.1 AT 17:30 CST ON MAY 14	35.9 ON MAY 15	12.6 ON JAN 05	574 000	1986
1987	35.3 AT 18:51 CST ON MAY 06	35.1 ON MAY 06	12.0 ON MAR 07	559 000	1987
1988	34.6 AT 11:47 CST ON MAY 17	34.4 ON MAY 16	12.0 ON APR 01	589 000	1988
1989	42.7 AT 18:17 CST ON MAY 15	42.3 ON MAY 15	11.9 ON AUG 25	586 000	1989
1990	26.5 AT 16:19 CST ON MAY 13	26.4 ON MAY 13	10.6 E ON SEP 18	466 000	1990
				491 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

OVERFLOWING RIVER NEAR HUDSON BAY - STATION NO. 05LD003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	6.11	---	---	---	---	---	---	---	---	1965
1972	---	---	---	---	14.1	5.69	---	---	---	---	---	---	---	1972
1973	---	---	---	---	6.60	---	---	---	---	---	---	---	---	1973
1974	---	---	---	4.48	10.9	4.19	---	---	---	---	---	---	---	1974
1975	---	---	0.256	2.73	7.31	4.29	1.21	0.511	1.21	0.938	---	---	2.30	1975
1976	---	---	0.080	1.74	0.947	4.16	1.50	0.962	0.280	0.249	---	---	1.23	1976
1977	---	---	0.003	1.02	1.06	0.334	0.220	0.638	1.11	0.937	---	---	0.663	1977
1978	---	---	0	1.31	3.12	1.24	0.510	1.72	2.02	2.14	---	---	1.51	1978
1979	---	---	0.123	2.06	10.3	4.08	0.384	0.038	0.144	0.493	---	---	2.21	1979
1980	---	---	0.100	1.12	0.301	0.240	1.11	0.908	0.590	1.11	---	---	0.684	1980
1981	---	---	0.115	0.704	0.733	0.295	0.410	0.571	0.228	1.92	---	---	0.625	1981
1982	---	---	0	0.907	1.41	2.71	1.07	0.638	0.584	1.03	---	---	1.04	1982
1983	---	---	0.176	1.45	2.42	5.11	6.52	0.871	2.10	1.23	---	---	2.48	1983
1984	---	---	0.189	4.74	7.27	3.86	0.312	0.044	0.177	1.10	---	---	2.20	1984
1985	---	---	0.147	3.65	3.41	2.00	1.04	0.851	0.404	0.784	---	---	1.53	1985
1986	---	---	0.056	1.99	4.79	1.48	0.500	0.359	0.205	0.597	---	---	1.25	1986
1987	---	---	0.071	1.31	1.33	1.05	2.46	0.629	0.504	0.780	---	---	1.26	1987
1988	---	---	0.084	2.67	5.02	0.458	0.503	0.384	0.934	0.795	---	---	1.36	1988
1989	---	---	0.007	0.722	1.99	1.29	1.26	0.704	1.63	0.649	---	---	1.03	1989
1990	---	---	0.136	1.67	4.15	1.31	2.04	0.354	0.053	0.136	---	---	1.23	1990
MEAN	---	---	0.096	2.13	4.66	2.43	1.32	0.636	0.761	0.931	---	---	1.41	MEAN

LOCATION - LAT 53 01 51 N
LONG 102 18 58 W
DRAINAGE AREA, 350 km^2
NATURAL FLOW

OVERFLOWING RIVER NEAR HUDSON BAY - STATION NO. 05LD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	11.0 ON APR 30	0.142B ON MAR 01	48 700	1975
1976	11.0 AT 20:15 CST ON JUN 25	10.5 ON JUN 26	0.004 ON SEP 28	26 000	1976
1977	---	2.41A ON APR 19	0.003B ON MAR 01	14 000	1977
1978	7.11 AT 11:47 CST ON MAY 01	6.99 ON MAY 01	0 B ON MAR 01 *	11 900	1978
1979	25.5 E AT 20:35 CST ON MAY 18 *	24.1 A ON MAY 18 *	0.002 ON SEP 02	46 700	1979
1980	2.63 AT 14:05 CST ON APR 21	2.43 ON APR 21	0.003 ON JUN 23	14 500	1980
1981	4.14 AT 13:00 CST ON OCT 13	3.81 ON OCT 15	0.024 ON JUL 13	13 200	1981
1982	7.53 AT 02:06 CST ON JUN 02	6.99 ON JUN 02	0 B ON MAR 01	22 000	1982
1983	17.5 AT 17:32 CST ON JUL 06	15.8 ON JUL 06	0.068B ON APR 15	57 500	1983
1984	15.4 AT 03:14 CST ON MAY 22	15.3 ON MAY 21	0.001 ON AUG 31	46 600	1984
1985	9.09 AT 15:17 CST ON APR 23	8.71 ON APR 23	0.052B ON MAR 07	32 400	1985
1986	7.55 AT 02:38 CST ON MAY 17	7.48 ON MAY 17	0.037 ON SEP 02	26 400	1986
1987	---	4.86 ON JUL 04	0.005B ON MAR 27	26 700	1987
1988	11.9 AT 22:56 CST ON MAY 02	11.5 ON MAY 03	0 ON AUG 17	28 700	1988
1989	6.25 AT 07:33 CST ON MAY 27	6.09 ON MAY 27	0.001B ON MAR 20	21 800	1989
1990	7.82 AT 00:11 CST ON MAY 10	7.12 ON MAY 11	0.010 ON SEP 18	26 100	1990
				29 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OXARAT CREEK AT WYLIE'S RANCH - STATION NO. 11AC009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.100	0.060	0.055	---	---	---	1909
1910	---	---	---	0.154	0.071	0.042	0.023	0.020	0.019	0.018	---	---	0.049	1910
1911	---	---	---	0.350	0.116	0.062	0.042	0.025	0.047	0.023	---	---	0.094	1911
1912	---	---	---	---	0.226	0.132	0.053	0.032	0.031	0.015	---	---	---	1912
1913	---	---	---	0.778	0.129	0.130	0.058	0.032	0.020	0.022	---	---	0.165	1913
1914	---	---	---	0.215	0.085	0.065	0.022	0.015	0.010	0.024	---	---	0.062	1914
1915	---	---	---	0.964	0.112	0.070	0.062	0.040	0.031	0.026	---	---	0.184	1915
1916	---	---	0.892	0.269	0.168	0.408	0.195	0.072	0.060	0.042	---	---	0.172	1916
1917	---	---	---	---	1.29	0.014	0.032	0.007	0	0	---	---	---	1917
1918	---	---	---	0.599	0.042	0.011	0.003	0.010	0.007	0.007	---	---	0.095	1918
1919	---	---	0.001	0.077	0.005	0.003	0.001	0.002	0.015	0.014	---	---	0.017	1919
MEAN	---	---	0.447	0.426	0.224	0.094	0.049	0.032	0.027	0.022	---	---	0.105	MEAN

LOCATION - LAT 49 29 48 N LONG 109 35 47 W DRAINAGE AREA, 140 km² NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916 AND 1918

OXARAT CREEK AT WYLIE'S RANCH - STATION NO. 11AC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0.340 ON APR 01	0.018 ON JUL 08	912	1910
1911	---	0.535 ON APR 07	0.023 ON AUG 13	1 740	1911
1912	---	---	---	---	1912
1913	---	1.42 E ON APR 01	0.018 ON SEP 14	3 050	1913
1914	---	0.552 ON APR 05	0.007 ON JUL 29	1 140	1914
1915	---	7.36 ON APR 03 *	0.015 ON OCT 27	3 400	1915
1916	---	0.906 ON JUN 13	0.037 ON OCT 16	3 190	1916
1917	---	---	0 ON JUN 06 *	---	1917
1918	---	2.46 ON APR 10	0 ON JUL 25	1 770	1918
1919	---	0.530E ON APR 03	0 ON JUL 04	308	1919
				1 940	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PAGATO RIVER AT OUTLET OF PAGATO LAKE - STATION NO. 06EA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	3.93	4.47	---	1973
1974	4.01	3.35	2.54	3.08	9.78	9.27	7.51	5.53	4.75	4.15	3.83	3.64	5.14	1974
1975	3.04	2.67	2.09	1.95	5.17	11.4	14.0	10.3	5.07	3.25	2.31	2.31	5.32	1975
1976	2.57	2.16	1.83	1.90	2.21	5.17	21.8	25.2	11.9	7.25	6.23	5.11	8.00	1976
1977	3.73	2.92	2.39	4.11	12.1	21.0	11.4	5.44	3.26	2.77	2.43	2.72	6.20	1977
1978	2.55	2.11	1.56	1.46	3.91	6.30	4.64	5.09	8.93	9.92	7.63	5.28	4.96	1978
1979	3.60	2.66	2.28	1.85	3.26	6.51	5.73	4.05	3.84	4.80	5.71	4.96	4.11	1979
1980	3.63	2.81	2.32	2.47	3.47	2.72	2.30	2.62	3.60	7.03	7.55	5.58	3.85	1980
1981	1.96	2.79	2.36	2.11	5.52	7.45	4.78	2.34	1.57	0.891	0.813	0.601	2.93	1981
1982	0.020	0	0	2.16	7.61	14.1	10.0	12.7	12.4	7.00	3.64	2.51	6.05	1982
1983	1.76	1.65	1.61	1.93	3.99	8.97	8.33	6.21	20.6	17.9	9.59	6.08	7.40	1983
1984	3.84	2.98	2.27	3.89	5.87	5.45	3.94	3.66	8.14	6.70	5.83	4.63	4.76	1984
1985	3.66	2.98	2.57	2.70	16.3	16.6	10.4	6.85	4.17	2.89	2.22	1.86	6.13	1985
1986	1.69	1.59	1.54	1.75	6.57	10.5	9.46	9.97	4.71	3.19	2.37	2.12	4.56	1986
1987	1.94	1.95	1.71	2.67	8.19	8.19	4.47	2.13	1.26	0.817	0.431	0.112	2.84	1987
1988	0	0	0	2.62	7.46	5.82	4.07	2.25	1.94	1.68	1.90	1.98	2.48	1988
1989	2.01	1.79	1.61	1.44	6.46	13.0	14.3	8.20	4.06	2.66	1.91	1.68	4.95	1989
1990	1.59	1.53	1.49	1.31	3.91	6.07	5.02	2.53	1.57	1.82	2.24	2.13	2.61	1990
MEAN	2.56	2.11	1.77	2.32	6.58	9.32	8.48	6.72	5.99	4.98	3.92	3.21	4.84	MEAN

LOCATION - LAT 56 06 43 N LONG 102 30 35 W DRAINAGE AREA, 961 km² NATURAL FLOW

PAGATO RIVER AT OUTLET OF PAGATO LAKE - STATION NO. 06EA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	11.4 AT 03:36 CST ON MAY 22	11.3 ON MAY 21	2.14 ON MAR 26	162 000	1974
1975	15.7 AT 00:54 CST ON JUL 02	14.6 ON JUL 20	1.71 ON APR 03	168 000	1975
1976	31.7 AT 01:10 CST ON AUG 03 *	31.4 ON AUG 03	1.68 ON APR 07	253 000	1976
1977	24.1 AT 23:34 CST ON JUN 03	23.4 ON JUN 08	2.10 ON APR 11	196 000	1977
1978	10.6 AT 19:41 CST ON OCT 14	10.4 ON OCT 14	1.33 ON APR 07	156 000	1978
1979	7.30 AT 16:39 CST ON JUN 25	7.04 ON JUN 20	1.70 ON APR 13	130 000	1979
1980	8.94 AT 10:16 CST ON NOV 07	8.53 ON OCT 31	1.90 ON APR 13	122 000	1980
1981	8.21 AT 22:19 CST ON JUN 28	7.96A ON JUN 27	0.134B ON OCT 25	92 500	1981
1982	17.0 AT 19:55 CST ON AUG 21	17.0 ON AUG 21	0 B ON JAN 05 *	191 000	1982
1983	---	37.5 E ON SEP 21 *	1.49 B ON FEB 03	233 000	1983
1984	9.11 AT 00:09 CST ON SEP 23	8.83A ON SEP 22	1.98 ON MAR 15	151 000	1984
1985	20.4 AT 17:24 CST ON MAY 23	20.2 ON MAY 23	1.70 ON DEC 29	193 000	1985
1986	11.5 AT 03:13 CST ON JUN 12	11.3 ON JUN 12	1.40 ON APR 04	144 000	1986
1987	10.2 AT 13:05 CST ON JUN 02	9.39 ON JUN 02	0 B ON DEC 27	89 700	1987
1988	8.62 AT 06:04 CST ON MAY 09	8.51 ON MAY 09	0 B ON JAN 01	78 500	1988
1989	16.5 AT 17:10 CST ON JUL 09	16.3 ON JUL 09	1.31 ON APR 17	156 000	1989
1990	6.56 AT 18:26 CST ON JUN 13	6.48 ON JUN 13	1.12 A ON APR 20	82 200	1990
				153 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PAGE CREEK NEAR IFFLEY - STATION NO. 05EG008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	---	0.363	---	---	---	---	---	---	---	---	1973
1974	---	---	---	---	1.08	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.730	0.697	0.217	0.021	0.008	0.029	0.041	---	---	0.216	1975
1976	---	---	0	0.277	0.082	0.029	0.098	0.031	0.001	0	---	---	0.064	1976
1977	---	---	0	0.105	0.093	0.097	0	0	0	0	---	---	0.037	1977
1978	---	---	0	0.731	0.477	0.104	0	0	0	0	---	---	0.163	1978
1979	---	---	0	3.24	2.90	0.118	0.003	0	0	0	---	---	0.778	1979
1980	---	---	0	0.821	0.083	0.001	0.005	0.023	0.002	0.013	---	---	0.116	1980
1981	---	---	0.083	2.53	0.380	0.066	0.011	0.008	0	0.010	---	---	0.380	1981
1982	---	---	0.013	1.19	0.380	0.117	0.475	0.253	0.108	0.034	---	---	0.319	1982
1983	---	---	0.008	2.60	0.459	0.236	0.447	0.009	0.001	0.006	---	---	0.465	1983
1984	---	---	0.080	1.36	0.439	0.467	0.003	0	0.001	0.018	---	---	0.292	1984
1985	---	---	0.002	8.52	2.59	0.093	0.005	0.001	0	0.001	---	---	1.38	1985
1986	---	---	0.041	1.56	0.182	0.063	0.209	0.187	0.003	0	---	---	0.277	1986
1987	---	---	0.008	1.72	0.092	0.035	0.043	0.074	0.015	0.007	---	---	0.245	1987
MEAN	---	---	0.018	1.95	0.686	0.126	0.102	0.046	0.012	0.010	---	---	0.364	MEAN

LOCATION - LAT 52 56 26 N LONG 108 05 17 W DRAINAGE AREA, 921 km^2 NATURAL FLOW

PAGE CREEK NEAR IFFLEY - STATION NO. 05EG008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	5.18 ON APR 17	---	---	1971
1973	---	1.29 B ON APR 14	---	---	1973
1974	---	---	---	---	1974
1975	---	2.59 ON APR 28	0 B ON MAR 01 *	4 580	1975
1976	---	0.949B ON APR 11	0 B ON MAR 01	1 360	1976
1977	---	0.566B ON APR 14	0 B ON MAR 01	774	1977
1978	---	2.34 ON APR 12	0 B ON MAR 01	3 440	1978
1979	---	16.0 E ON MAY 01	0 B ON MAR 01	16 500	1979
1980	2.66 AT 18:03 CST ON APR 19	2.60 ON APR 19	0 B ON MAR 01	2 460	1980
1981	4.42 AT 17:47 CST ON APR 02	3.81 ON APR 02	0 ON JUN 26	8 030	1981
1982	---	3.25 E ON APR 23	0.006B ON MAR 25	6 750	1982
1983	9.98 AT 09:15 CST ON APR 21	9.41 ON APR 21	0 B ON MAR 01	9 840	1983
1984	3.49 AT 17:30 CST ON APR 07	3.44 ON APR 07	0 ON JUL 07	6 190	1984
1985	33.9 AT 10:35 CST ON APR 22 *	28.6 ON APR 22 *	0 B ON MAR 01	29 300	1985
1986	5.86 AT 14:36 CST ON APR 08	4.78 ON APR 08	0 B ON MAR 01	5 860	1986
1987	5.98 AT 12:19 CST ON APR 07	5.63 ON APR 08	0 B ON MAR 01	5 180	1987
				7 710	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARSONAGE DITCH NEAR BATTLE CREEK - STATION NO. 11AB053

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 31 30 N LONG 109 51 00 W REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-37

PARSONAGE DITCH NEAR BATTLE CREEK - STATION NO. 11AB053

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 01 *	0 ON MAR 01 *	0	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

PASQUIA RIVER AT HIGHWAY NO. 9 - STATION NO. 05KJ014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	0.420	---	---	---	1973
1974	---	---	0.086	1.34	4.72	1.48	0.390	0.786	1.27	0.780	---	---	1.36	1974
1975	---	---	0.048	0.564	4.81	2.75	0.390	0.664	0.459	0.286	---	---	1.25	1975
1976	---	---	0.015	0.798	0.389	2.46	0.858	0.448	0.151	0.212	---	---	0.661	1976
1977	---	---	0.005	0.919	1.80	0.220	0.187	0.501	0.410	0.301	---	---	0.543	1977
1978	---	---	0	0.437	2.20	1.17	0.456	1.34	0.894	0.924	---	---	0.928	1978
1979	---	---	0.010	0.109	4.04	1.48	0.250	0.034	0.085	0.192	---	---	0.778	1979
1980	---	---	0.002	0.773	0.249	0.061	0.477	0.224	0.276	0.444	---	---	0.313	1980
1981	---	---	0	0.126	0.795	0.405	1.01	0.206	0.213	1.14	---	---	0.489	1981
1982	---	---	0	0.581	1.38	1.11	0.386	0.149	0.614	0.449	---	---	0.582	1982
1983	---	---	0	0.625	1.62	1.26	1.24	0.159	1.33	0.480	---	---	0.838	1983
1984	---	---	0.078	2.19	2.88	1.47	0.190	0.025	0.096	0.787	---	---	0.961	1984
1985	---	---	0.028	1.27	2.17	0.796	0.365	0.250	0.156	0.333	---	---	0.671	1985
1986	---	---	0.016	0.709	1.81	0.535	0.362	0.346	0.508	0.696	---	---	0.623	1986
1987	---	---	0.028	0.999	0.604	0.837	1.67	0.477	0.258	0.487	---	---	0.670	1987
1988	---	---	0.078	0.276	2.99	0.243	0.120	0.218	0.458	0.273	---	---	0.585	1988
1989	---	---	0	0.180	1.54	0.729	0.485	0.342	0.717	0.224	---	---	0.526	1989
1990	---	---	0.001	0.347	2.73	0.895	1.40	0.073	0.017	0.075	---	---	0.696	1990
MEAN	---	---	0.023	0.720	2.16	1.05	0.602	0.367	0.465	0.472	---	---	0.734	MEAN

LOCATION - LAT 53 15 20 N LONG 102 06 15 W DRAINAGE AREA, 74.3 km^2 NATURAL FLOW

PASQUIA RIVER AT HIGHWAY NO. 9 - STATION NO. 05KJ014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	13.3 AT 21:11 CST ON MAY 27	9.60 ON MAY 28	0.022B ON APR 12	28 700	1974
1975	---	14.7 E ON MAY 20 *	0.014 ON APR 19	26 400	1975
1976	11.9 AT 13:23 CST ON JUN 24	11.3 ON JUN 24	0.014B ON MAR 01	14 000	1976
1977	7.39 AT 15:37 CST ON MAY 16	5.72 ON MAY 16	0.003B ON MAR 01	11 500	1977
1978	---	6.91B ON MAY 04	0 B ON MAR 01 *	19 600	1978
1979	15.7 AT 20:46 CST ON MAY 25	14.0 ON MAY 25	0.001 ON SEP 01	16 500	1979
1980	---	4.11B ON APR 22	0.001B ON MAR 01	6 620	1980
1981	9.40 AT 08:03 CST ON JUL 16	6.47 ON JUL 16	0 B ON MAR 01	10 400	1981
1982	5.17 AT 00:21 CST ON JUN 02	4.76B ON APR 30	0 B ON MAR 01	12 300	1982
1983	4.70 AT 03:15 CST ON APR 26	3.97 ON APR 26	0 B ON MAR 01	17 700	1983
1984	15.8 AT 10:26 CST ON MAY 18 *	11.9 ON MAY 18	0.001 ON SEP 03	20 300	1984
1985	8.00 AT 19:33 CST ON MAY 05	7.03 ON MAY 05	0.020B ON MAR 01	14 200	1985
1986	4.88 AT 06:22 CST ON SEP 27	4.46 ON SEP 27	0.006B ON MAR 06	13 200	1986
1987	12.2 AT 21:39 CST ON JUL 01	7.60 ON JUL 02	0.019B ON MAR 16	14 200	1987
1988	6.50 AT 16:41 CST ON MAY 01	5.90 ON MAY 01	0.001 ON AUG 10	12 400	1988
1989	4.59 AT 18:02 CST ON MAY 25	4.02A ON MAY 25	0 B ON MAR 01	11 100	1989
1990	10.2 AT 15:21 CST ON JUL 04	7.04 ON JUL 04	0 B ON APR 10	14 700	1990
				15 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PATTERSON DITCH NEAR BATTLE CREEK - STATION NO. 11AB054

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	0	0	0.022	0.011	0	0	0	0	---	---	0.004	1919
1920	---	---	0	0.065	0	0	0	0	0	0	---	---	0.008	1920
1921	---	---	0.008	0.001	0	0	0.003	0	0	0	---	---	0.002	1921
1922	---	---	0	0.025	0.016	0	0	0	0	0	---	---	0.005	1922
1923	---	---	0	0	0.047	0	0	0	0	0	---	---	0.006	1923
1924	---	---	0	0	0	0	0.004	0.005	0.006	0	---	---	0.002	1924
1925	---	---	0	0.007	0	0	0	0	0	0	---	---	0.001	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0.026	0	0	0	0	0	0	---	---	0.003	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0.013	0.094	0	0	0	0	---	---	0.013	1931
MEAN	---	---	0.001	0.010	0.008	0.008	0.001	0	0	0	---	---	0.003	MEAN

LOCATION - LAT 49 26 00 N LONG 109 50 30 W REGULATED

PATTERSON DITCH NEAR BATTLE CREEK - STATION NO. 11AB054

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	0.059 ON MAY 12	0 ON MAR 01 *	88.1	1919
1920	---	0.351 ON APR 14 *	0 ON MAR 01	168	1920
1921	---	0.130 ON MAR 11	0 ON MAR 01	33.5	1921
1922	---	0.286 ON APR 30	0 ON MAR 01	106	1922
1923	---	0.113 ON MAY 17	0 ON MAR 01	125	1923
1924	---	0.031 ON JUL 28	0 ON MAR 01	38.9	1924
1925	---	0.207 ON APR 06	0 ON MAR 01	17.9	1925
1926	---	0 ON MAR 01	0 ON MAR 01	0	1926
1927	---	0.278 ON APR 27	0 ON MAR 01	66.6	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
1930	---	0 ON MAR 01	0 ON MAR 01	0	1930
1931	---	0.311 ON JUN 14	0 ON MAR 01	280	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		71.1	MEAN

PEARSE DITCH NEAR RAVENSCRAG - STATION NO. 11AC047

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0	0	0	---	---	---	---	---	---	1915
1916	---	---	---	---	0	0	0	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
1921	---	---	0	0	0	0.012	0.009	0	0	0	---	---	0.003	1921
1922	---	---	0	0	0.001	0.020	0.014	0	0	0	---	---	0.004	1922
1923	---	---	0	0	0.007	0.063	0.026	0	0	0	---	---	0.012	1923
1924	---	---	0	0	0.010	0.025	0.017	0	0	0	---	---	0.006	1924
1925	---	---	0	0	0.010	0.033	0.005	0	0	0	---	---	0.006	1925
1926	---	---	0	0	0.006	0.026	0.020	0	0	0	---	---	0.006	1926
1927	---	---	0	0	0	0.009	0.043	0	0	0	---	---	0.006	1927
1928	---	---	0	0	0.019	0.034	0	0	0	0	---	---	0.007	1928
1929	---	---	0	0	0	0.039	0.026	0	0	0	---	---	0.008	1929
1930	---	---	0	0	0.005	0.034	0.018	0	0	0	---	---	0.007	1930
1931	---	---	0	0	0.004	0.015	0	0	0	0	---	---	0.002	1931
MEAN	---	---	0	0	0.005	0.024	0.014	0	0	0	---	---	0.006	MEAN

LOCATION - LAT 49 32 10 N
LONG 109 01 30 W REGULATED

PEARSE DITCH NEAR RAVENSCRAG - STATION NO. 11AC047

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON MAY 01 *	---	1915
1916	---	---	0 ON MAY 01	---	1916
1917	---	---	0 ON JUL 25	---	1917
1920	---	---	0 ON OCT 13	---	1920
1921	---	0.034 ON JUL 26	0 ON MAR 01	54.4	1921
1922	---	0.031 ON MAY 31	0 ON MAR 01	90.5	1922
1923	---	0.088 ON JUN 14	0 ON MAR 01	253	1923
1924	---	0.071 ON JUN 07	0 ON MAR 01	135	1924
1925	---	0.091 ON MAY 30	0 ON MAR 01	124	1925
1926	---	0.093 ON JUL 01	0 ON MAR 01	136	1926
1927	---	0.133 ON JUL 04 *	0 ON MAR 01	137	1927
1928	---	0.091 ON JUN 19	0 ON MAR 01	138	1928
1929	---	0.079 ON JUN 18	0 ON MAR 01	169	1929
1930	---	0.059 ON JUN 20	0 ON MAR 01	151	1930
1931	---	0.028 ON MAY 28	0 ON MAR 01	51.0	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		131	MEAN

PELLETIER CREEK NEAR DUNCAIRN - STATION NO. 05HD029

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.337	0.375	0.208	0.168	0.066	0.067	0.170	0.120	---	---	0.188	1944
1945	---	---	0.499	0.162	0.069	0.032	0.005	0.010	0.011	0.035	---	---	0.103	1945
1946	---	---	0.478	0.095	0.035	0.029	0.016	0.014	0.019	0.039	---	---	0.091	1946
1947	---	---	0.084	0.443	0.055	0.083	0.236	0.199	0.048	0.022	---	---	0.145	1947
1948	---	---	0.071	0.420	0.143	0.059	0.022	0.021	0.003	0.016	---	---	0.094	1948
1949	---	---	0.096	0.119	0.044	0.027	0.038	0	0.004	0.018	---	---	0.043	1949
1950	---	---	0.037	1.01	0.070	0.062	0.073	0.014	0.010	0.031	---	---	0.161	1950
1951	---	---		0.659	0.432	0.197	0.065	0	0.098	0.075	---	---	0.189	1951
1952	---	---	0.140	3.04	0.501	0.086	0.057	0.048	0.051	0.028	---	---	0.487	1952
1953	---	---	0.424	0.240	0.331	0.321	0.203	0.128	0.178	0.025	---	---	0.231	1953
1954	---	---	0.057	0.609	0.124	0.277	0.040	0.021	0.043	0.040	---	---	0.150	1954
MEAN	---	---	0.202	0.652	0.183	0.122	0.075	0.047	0.058	0.041	---	---	0.171	MEAN

LOCATION - LAT 50 06 20 N LONG 107 57 20 W DRAINAGE AREA, 190 km² REGULATED

PELLETIER CREEK NEAR DUNCAIRN - STATION NO. 05HD029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	2.55 B ON MAR 31	0.023 ON AUG 14	3 990	1944
1945	---	2.18 B ON MAR 11	0 B ON MAR 01 *	2 190	1945
1946	---	2.83 B ON MAR 12	0.003 ON JUL 28	1 930	1946
1947	---	1.05 B ON APR 10	0 B ON MAR 01	3 080	1947
1948	---	1.27 B ON APR 18	0 B ON MAR 01	1 980	1948
1949	---	0.351 ON APR 08	0 B ON MAR 01	911	1949
1950	---	4.42 B ON APR 14	0 B ON MAR 01	3 400	1950
1951	---	1.67 B ON APR 25	0 B ON MAR 01	4 000	1951
1952	---	10.7 ON APR 15 *	0.011 ON OCT 23	10 300	1952
1953	---	3.71 B ON MAR 30	0 B ON MAR 01	4 890	1953
1954	---	3.06 B ON APR 09	0.006 ON JUL 25	3 170	1954
				3 620	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PETAIGAN RIVER BELOW PETAIGAN SCHOOL - STATION NO. 05KD002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0	24.0	4.52	0.043	0.012	0	0	0	---	---	3.52	1955
1956	---	---	0	0.281	14.0	0.038	0.017	0	0	0	---	---	1.81	1956
1957	---	---	0	6.60	0.812	0.011	0	0	0	0	---	---	0.913	1957
1958	---	---	0	2.45	0.042	0	0	0	0	0	---	---	0.305	1958
1959	---	---	0	2.96	0.125	0.008	0.001	0					0.380	1959
1960	---	---	0	3.81	0.141	0.028	0	0	0	0	---	---	0.488	1960
1961	---	---	0	1.30	0.019	0.001	0	0	0	0	---	---	0.162	1961
MEAN	---	---	0	5.91	2.81	0.018	0.004	0	0	0	---	---	1.08	MEAN

LOCATION - LAT 53 31 00 N LONG 103 32 00 W DRAINAGE AREA, 466 km² NATURAL FLOW

PETAIGAN RIVER BELOW PETAIGAN SCHOOL - STATION NO. 05KD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	52.4B ON APR 06	0B ON MAR 01 *	74 600	1955
1956	---	80.7 ON MAY 06 *	0B ON MAR 01	38 400	1956
1957	---	49.0 ON APR 24	0B ON MAR 01	19 300	1957
1958	---	22.6 ON APR 07	0B ON MAR 01	6 460	1958
1959	---	22.3 ON APR 12	0 ON MAR 01	8 040	1959
1960	---	19.7 ON APR 15	0B ON MAR 01	10 300	1960
1961	---	12.7 ON APR 18	0B ON MAR 01	3 430	1961
				22 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PHEASANT CREEK NEAR ABERNETHY - STATION NO. 05JL005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	---	0.048	0.006	0	0	0	0	0	---	---	---	1946
1947	---	---	0	4.17	0.248	0.920	0.179	0	0	0	---	---	0.677	1947
1948	---	---	0	2.83	0.349	0.005	0	0	0	0	---	---	0.392	1948
1949	---	---	0	0.235	0	0	0	0	0	0	---	---	0.029	1949
1950	---	---	0.010	1.30	0.023	0	0	0	0	0	---	---	0.164	1950
1951	---	---	0	1.06	0.487	0.142	0	0	0	0	---	---	0.209	1951
1952	---	---	0.558	1.58	0.115	0	0	0	0	0	---	---	0.278	1952
1953	---	---	0.667	1.81	0.178	0.535	0.093	0.427	0.018	0.012	---	---	0.463	1953
1954	---	---	0	2.77	0.504	1.67	3.88	0.556	1.43	0.681	---	---	1.43	1954
1955	---	---	0.052	7.21	9.34	0.922	2.30	0.474	0.001	0.002	---	---	2.53	1955
1956	---	---	0	10.1	4.36	0.401	0.112	0.006	0.059	0.019	---	---	1.86	1956
1957	---	---	0.350	3.57	0.113	0.009	0.001	0.013	0.002	0.006	---	---	0.500	1957
1958	---	---	0.388	0.335	0.121	0.085	0.001	0	0	0	---	---	0.116	1958
1959	---	---	0.029	0.031	0.008	0	0	0	0	0	---	---	0.009	1959
1960	---	---	0	1.89	0.050	0.017	0.001	0	0	0	---	---	0.240	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.567	0	0	0	0	0	0	---	---	0.070	1962
1963	---	---	0.036	0	0	0	0.243	0.003	0	0	---	---	0.036	1963
1964	---	---	0.012	1.16	0.169	0.008	0	0	0	0	---	---	0.166	1964
1965	---	---	0	0.668	0.108	0.077	0.001	0	0	0	---	---	0.105	1965
1966	---	---	0.250	1.19	0.055	0.016	0.118	0	0	0	---	---	0.201	1966
1967	---	---	0	2.21	0.597	0.002	0	0	0	0	---	---	0.347	1967
1968	---	---	0.750	0.262	0.004	0	0	0	0	0	---	---	0.127	1968
1969	---	---	0	3.43	0.029	0.004	0.006	0	0	0	---	---	0.425	1969
1970	---	---	0	1.60	0.390	0.039	0	0	0	0	---	---	0.250	1970
1971	---	---	0	3.34	0.306	0.019	0.149	0	0	0	---	---	0.468	1971
1972	---	---	0.305	1.26	0.345	0.006	0	0	0	0	---	---	0.238	1972
1973	---	---	0.025	0.003	0.006	0.007	0.041	0	0	0	---	---	0.010	1973
1974	---	---	0	5.10	1.21	0.305	0.001	0.001	0.003	0.008	---	---	0.816	1974
1975	---	---	0	5.88	1.87	0.190	0.012	0.001	0.002	0.005	---	---	0.983	1975
1976	---	---	0.003	10.1	0.252	2.76	0.441	0	0	0	---	---	1.67	1976
1977	---	---	0.008	0.014	0.024	0.002	0.005	0	0	0	---	---	0.007	1977
1978	---	---	0.593	0.664	0.098	0.123	0.065	0.006	0	0.001	---	---	0.193	1978
1979	---	---	0.015	3.76	1.11	0.079	0	0	0	0	---	---	0.613	1979
1980	---	---	0.033	1.48	0.001	0	0	0	0	0	---	---	0.186	1980
1981	---	---	0.002	0.001	0.002	0.001	0.025	0.057	0	0	---	---	0.011	1981
1982	---	---	0.002	1.14	0.005	0	0.005	0	0	0	---	---	0.141	1982
1983	---	---	0	1.92	0.084	0.034	0.257	0.004	0.001	0.001	---	---	0.283	1983
1984	---	---	0.130	0.065	0.007	0.003	0	0	0	0.002	---	---	0.026	1984
1985	---	---	0.916	3.98	0.044	0.003	0	0	0.002	0.004	---	---	0.610	1985
1986	---	---	0.703	0.144	0.096	0.002	0	0	0	0	---	---	0.119	1986
1987	---	---	0.265	0.117	0	0	0	0	0	0	---	---	0.048	1987
1988	---	---	0.002	0.002	0.001	0	0	0	0	0	---	---	0.001	1988
1989	---	---	0	0.006	0	0	0	0	0	0	---	---	0.001	1989
1990	---	---	0.537	2.75	0.026	0	0	0	0	0	---	---	0.407	1990
MEAN	---	---	0.151	2.04	0.505	0.186	0.176	0.034	0.034	0.016	---	---	0.397	MEAN

LOCATION - LAT 50 44 00 N DRAINAGE AREA, 1 150 km²
LONG 103 19 41 W REGULATED

PHEASANT CREEK NEAR ABERNETHY - STATION NO. 05JL005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	---	0 ON MAY 30 *	---	1946
1947	---	16.1 ON APR 16	0B ON MAR 01	14 300	1947
1948	---	13.5 ON APR 21	0B ON MAR 01	8 290	1948
1949	---	2.44 ON APR 05	0B ON MAR 01	608	1949
1950	---	9.06 B ON APR 17	0B ON MAR 01	3 470	1950
1951	---	2.44 B ON APR 09	0B ON MAR 01	4 430	1951
1952	---	6.29 B ON MAR 29	0B ON MAR 01	5 890	1952
1953	---	14.6 B ON MAR 31	0B ON MAR 01	9 810	1953
1954	---	20.6 ON JUL 11	0B ON MAR 01	30 300	1954
1955	---	26.6 E ON MAY 04	0B ON MAR 01	53 700	1955
1956	---	36.8 ON APR 15	0B ON MAR 01	39 400	1956
1957	---	12.2 B ON APR 06	0B ON MAR 01	10 600	1957
1958	2.83 B AT 12:30 CST ON MAR 29	2.44 B ON MAR 29	0B ON MAR 01	2 460	1958
1959	---	0.113B ON MAR 25	0B ON MAR 01	180	1959
1960	---	9.94 A ON APR 07	0B ON MAR 01	5 070	1960
1961	---	0.003A ON MAR 22	0B ON MAR 01	0.518	1961
1962	8.10 AT 18:00 CST ON APR 16	3.68 ON APR 16	0B ON MAR 01	1 470	1962
1963	7.16 AT 19:00 CST ON JUL 09	3.34 ON JUL 10	0B ON MAR 01	756	1963
1964	4.56 B AT 03:00 CST ON APR 06	3.68 B ON APR 05	0B ON MAR 01	3 520	1964
1965	---	6.91 A ON APR 13	0 ON MAR 01	2 220	1965
1966	---	8.24 ON APR 02	0B ON MAR 01	4 260	1966
1967	10.8 AT 22:00 CST ON APR 16	10.5 ON APR 17	0B ON MAR 01	7 340	1967
1968	---	3.51 ON MAR 26	0B ON MAR 01	2 700	1968
1969	19.1 AT 20:00 CST ON APR 11	16.0 ON APR 12	0B ON MAR 01	9 000	1969
1970	11.5 AT 22:00 CST ON APR 06	9.34 ON APR 07	0B ON MAR 01	5 300	1970
1971	19.5 B AT 18:04 CST ON APR 09	14.9 ON APR 10	0B ON MAR 01	9 910	1971
1972	4.73 B AT 07:38 CST ON APR 11	4.05 B ON APR 11	0B ON MAR 01	5 030	1972
1973	0.614 AT 13:14 CST ON JUL 03	0.439 ON JUL 04	0B ON MAR 01	218	1973
1974	38.2 AT 11:12 CST ON APR 19	36.0 ON APR 19	0B ON MAR 01	17 300	1974
1975	34.8 AT 09:15 CST ON APR 29	31.7 ON APR 29	0B ON MAR 01	20 800	1975
1976	49.0 AT 14:00 CST ON APR 09 *	47.3 B ON APR 09 *	0B ON MAR 01	35 200	1976
1977	0.229 AT 04:47 CST ON JUL 13	0.088 ON MAY 21	0B ON MAR 01	141	1977
1978	7.08 B AT 21:19 CST ON MAR 27	4.50 B ON MAR 31	0B ON MAR 01	4 080	1978
1979	26.1 B AT 21:07 CST ON APR 20	19.2 B ON APR 21	0B ON MAR 01	13 000	1979
1980	9.51 B AT 21:47 CST ON APR 04	6.98 B ON APR 05	0B ON MAR 01	3 930	1980
1981	0.660 AT 15:04 CST ON JUL 30	0.239 ON JUL 31	0 ON MAY 20	236	1981
1982	12.7 B AT 21:06 CST ON APR 12	10.3 B ON APR 13	0B ON MAR 01	2 980	1982
1983	18.5 AT 12:40 CST ON APR 21	16.3 ON APR 21	0B ON MAR 01	5 980	1983
1984	0.840B AT 07:05 CST ON MAR 24	0.649B ON MAR 24	0B ON MAR 01	546	1984
1985	27.2 AT 15:51 CST ON APR 03	21.3 ON APR 03	0B ON MAR 01	12 900	1985
1986	3.97 B AT 14:24 CST ON MAR 17	3.03 B ON MAR 17	0B ON MAR 01	2 520	1986
1987	2.62 B AT 23:30 CST ON MAR 26	1.22 B ON MAR 27	0B ON MAR 01	1 010	1987
1988	0.020 AT 22:00 CST ON MAY 15	0.007 ON APR 03	0B ON MAR 01	12.4	1988
1989	0.084B AT 12:46 CST ON APR 01	0.042B ON APR 02	0B ON MAR 01	14.3	1989
1990	19.8 B AT 19:58 CST ON APR 03	15.5 B ON APR 04	0B ON MAR 01	8 630	1990
				8 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PHEASANT CREEK NEAR BLACKWOOD - STATION NO. 05JL003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0.018	0.887	0.089	0.007	0.002	0.006	0.003	0	---	---	0.124	1941
1942	---	---	0.068	2.67	0.075	0.064	0.086	0.029	---	---	---	---	---	1942
1943	---	---	0.114	3.77	0.303	0.071	0.016	0.019	0.004	0.003	---	---	0.528	1943
1944	---	---	0	0.309	0.011	0.014	---	---	---	---	---	---	---	1944
1945	---	---	0.008	0.006	0.004	0	0	0	0	0	---	---	0.002	1945
MEAN	---	---	0.042	1.53	0.096	0.031	0.026	0.014	0.002	0.001	---	---	0.218	MEAN

LOCATION - LAT 50 35 00 N, LONG 103 28 00 W
DRAINAGE AREA, 1 400 km^2
NATURAL FLOW

PHEASANT CREEK NEAR BLACKWOOD - STATION NO. 05JL003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	3.20 ON APR 09	0B ON MAR 01 *	2 630	1941
1942	---	12.3 ON APR 04 *	0B ON MAR 01	---	1942
1943	---	12.3 ON APR 05	0 ON MAR 01	11 200	1943
1944	---	---	0B ON MAR 01	---	1944
1945	---	0.008B ON MAR 01	0 ON MAY 26	46.6	1945
				4 630	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIAPOT CREEK NEAR PIAPOT - STATION NO. 05HA062

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	0.039	0.019	0.026	---	---	---	1908
1909	---	---	---	---	0.468	1.11	0.483	0.099	0.076	0.076	---	---	---	1909
1910	---	---	---	0.120	0.030	0.022	0.018	0.022	0.027	0.025	---	---	---	1910
1911	---	---	---	---	0.162	0.098	0.126	0.056	0.153	0.107	---	---	---	1911
1912	---	---	---	---	0.520	0.292	0.111	0.105	0.063	0.074	---	---	---	1912
1913	---	---	---	1.50	0.182	0.051	0.020	0.012	0.012	0.020	---	---	---	1913
1914	---	---	---	0.178	0.044	0.015	0.002	0.001	0.021	0.081	---	---	---	1914
1915	---	---	---	0.185	0.064	0.262	0.327	0.063	0.078	0.104	---	---	---	1915
1916	---	---	0.610	0.309	0.628	0.949	0.675	0.253	0.081	0.159	---	---	0.458	1916
1917	---	---	---	1.73	0.997	0.148	0.024	0.026	0.034	0.044	---	---	---	1917
1918	---	---	---	0.628	0.205	0.044	0.021	0.011	0.011	0.031	---	---	---	1918
1919	---	---	0.068	0.308	0.110	0.016	0.004	0.001	0.007	0.020	---	---	0.066	1919
1936	---	---	0.028	0.229	0.039	0.014	---	---	---	---	---	---	---	1936
1963	---	---	0.035	0.012	0.001	0.010	0.032	0.001	0	0	---	---	0.011	1963
1964	---	---	0.012	0.052	0.189	0.052	0.001	0	0.011	0.029	---	---	0.043	1964
1965	---	---	0.014	0.934	0.313	0.129	0.241	0.019	0.090	0.046	---	---	0.221	1965
1966	---	---	0.266	0.254	0.144	0.171	0.037	0.043	0.015	0.024	---	---	0.119	1966
1967	---	---	0.668	0.426	0.977	0.078	0.016	0.008	0.025	0.024	---	---	0.279	1967
1968	---	---	0.319	0.108	0.069	0.050	0.007	0.015	0.025	0.017	---	---	0.076	1968
1969	---	---	0.365	0.668	0.231	0.024	0.060	0.008	0.005	0.040	---	---	0.174	1969
1970	---	---	0.003	0.508	0.600	0.230	0.063	0.008	0.015	0.024	---	---	0.181	1970
1971	---	0.099	0.118	0.407	0.142	0.120	0.004	0	0.008	0.014	---	---	0.101	1971
1972	---	---	0.106	0.026	0.183	0.013	0.012	0.004	0.004	0.021	---	---	0.046	1972
1973	---	---	0.043	0.125	0.089	0.123	---	---	---	---	---	---	---	1973
MEAN	---	0.099	0.190	0.435	0.278	0.175	0.109	0.036	0.035	0.046	---	---	0.148	MEAN

LOCATION - LAT 49 54 45 N DRAINAGE AREA, 122 km²
LONG 109 15 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971

PIAPOT CREEK NEAR PIAPOT - STATION NO. 05HA062

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	0 ON JUL 24 *	---	1908
1909	---	15.6 ON JUN 21 *	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	3.94 ON APR 01	---	---	1913
1914	---	0.821B ON MAR 16	---	---	1914
1915	---	2.10 ON JUN 01	---	---	1915
1916	---	13.9 ON JUL 27	0.048 ON SEP 20	9 700	1916
1917	---	3.88 ON APR 22	---	---	1917
1918	---	3.54 ON MAR 25	---	---	1918
1919	---	0.736 ON APR 19	0 ON JUN 26	1 400	1919
1936	1.31 ON APR 12	1.31 ON APR 12	---	---	1936
1963	---	0.314 ON JUL 01	0 ON MAY 05	243	1963
1964	---	1.24 ON MAY 08	0 B ON MAR 16	921	1964
1965	---	2.23 ON APR 29	0 B ON MAR 16	4 690	1965
1966	---	0.753B ON MAR 13	0 ON AUG 04	2 520	1966
1967	---	2.27 ON MAY 18	0 ON SEP 02	5 910	1967
1968	---	0.453B ON MAR 06	0 ON JUN 07	1 610	1968
1969	---	3.31 ON APR 07	0 ON AUG 14	3 690	1969
1970	---	2.44 ON MAY 05	0 B ON MAR 01	3 820	1970
1971	---	0.903B ON MAR 30	0 B ON MAR 24	2 140	1971
1972	3.11 AT 21:15 CST ON MAY 26 *	2.06 ON MAY 27	0 B ON MAR 01	981	1972
1973	---	---	---	---	1973
				3 140	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINTO CREEK NEAR WOODROW - STATION NO. 05JA004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	3.50	2.23	0.021	0	0	0	0	---	---	0.714	1975
1976	---	---	16.5	1.94	0.037	0	0	0	0	0	---	---	2.33	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	9.76	3.87	0.113	0.152	0.472	0.029	0.623	0.033	---	---	1.89	1978
1979	---	---	5.08	5.95	0.986	0.049	0.002	0	0	0	---	---	1.50	1979
1980	---	---	1.36	1.91	0.006	0	0	0	0	0	---	---	0.407	1980
1981	---	---	0.201	0.002	0	0	0	0	0	0	---	---	0.026	1981
1982	---	0	5.65	8.29	0.334	1.02	0.037	0.031	0	0	---	---	1.91	1982
1983	---	0	0.026	0.580	0.062	0.019	0	0	0	0	---	---	0.084	1983
1984	---	---	0.003	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.360	0.628	0.005	0	0	0	0	0	---	---	0.123	1985
1986	---	0.019	8.02	0.126	0.350	0.019	0.001	0	0	0	---	---	1.08	1986
1987	---	0	0	0.313	0.033	0.001	0	0	0	0	---	---	0.043	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	1.25	1.44	0.018	0.047	0.134	0.003	0	0	---	---	0.360	1989
1990	---	---	0.001	0.001	0.001	0	0	0	0	0	---	---	0	1990
MEAN	---	0.005	3.01	1.78	0.261	0.083	0.040	0.004	0.039	0.002	---	---	0.654	MEAN

LOCATION - LAT 49 39 53 N LONG 106 43 30 W DRAINAGE AREA, 1 870 km² REGULATED

PINTO CREEK NEAR WOODROW - STATION NO. 05JA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	21.7 AT 15:45 CST ON APR 27	17.2 ON APR 27	0B ON MAR 01 *	15 100	1975
1976	138 AT 11:04 CST ON MAR 23 *	111 ON MAR 23 *	0B ON MAR 01	49 200	1976
1977	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1977
1978	56.6 AT 12:11 CST ON MAR 26	54.9 ON MAR 26	0B ON MAR 01	39 900	1978
1979	26.7 B AT 13:28 CST ON MAR 22	25.2 B ON MAR 22	0B ON MAR 01	31 800	1979
1980	14.8 AT 19:32 CST ON APR 01	12.2 ON APR 02	0B ON MAR 01	8 610	1980
1981	---	1.15 B ON MAR 01	0 ON APR 19	546	1981
1982	27.4 AT 06:21 CST ON APR 03	25.0 ON APR 02	0B ON MAR 01	40 400	1982
1983	6.75 AT 00:31 CST ON APR 05	5.35 ON APR 05	0 ON JUN 20	1 790	1983
1984	0.082B AT 18:49 CST ON MAR 20	0.039B ON MAR 20	0B ON MAR 01	8.81	1984
1985	6.96 AT 21:04 CST ON APR 03	6.34 ON APR 04	0B ON MAR 01	2 600	1985
1986	39.6 B AT 17:20 CST ON MAR 03	37.3 B ON MAR 03	0 ON JUL 16	22 800	1986
1987	3.51 AT 17:11 CST ON APR 08	3.02 ON APR 09	0B ON MAR 01	904	1987
1988	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1988
1989	9.21 AT 20:23 CST ON APR 07	8.32 ON APR 08	0B ON MAR 01	7 620	1989
1990	0.032 AT 21:51 CST ON MAY 19	0.005B ON MAR 04	0B ON MAR 01	7.34	1990
				13 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE CREEK ABOVE MOOSOMIN LAKE - STATION NO. 05NE003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0	4.41	0.567	0.380	0.003	0	0	0	---	---	0.659	1960
1961	---	---	0	0.014	0.007	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0	0.100	0.007	0	0	0	0	0	---	---	0.013	1962
1963	---	---	0.882	0.210	0.081	0.470	0.322	0.220	0.001	0.009	---	---	0.275	1963
1964	---	---	0	1.62	0.584	0.004	0.008	0	0	0.002	---	---	0.274	1964
1965	---	---	0	3.74	0.519	0.830	0.158	0.046	0.336	0.284	---	---	0.729	1965
1966	---	---	0.370	2.55	0.947	0.288	0.200	0.068	0.079	0.089	---	---	0.569	1966
1967	---	---	0	3.03	0.932	0.065	0	0	0	0	---	---	0.496	1967
1968	---	---	0.630	0.186	0.049	0.004	0	0	0	0	---	---	0.109	1968
1969	---	---	0	8.12	0.918	0.062	0.195	0	0	0	---	---	1.14	1969
1970	---	---	0	4.62	3.94	0.531	0.147	0.091	0.004	0	---	---	1.16	1970
1971	---	---	0	2.69	0.821	0.337	0.199	0.001	0	0	---	---	0.499	1971
1972	---	---	2.03	1.02	0.712	0.277	0.205	0.037	0	0	---	---	0.782	1972
1973	---	---	0.133	0.115	0.185	0.217	0.141	0.016	0.042	0.019	---	---	0.109	1973
1986	---	---	---	---	---	---	---	---	---	---	---	---	---	1986
1987	---	---	0.797	3.53	0.036	0.001	0.008	0.002	0.005	0	---	---	0.540	1987
1988	---	---	0	0.003	0.222	0.021	0	0	0	0	---	---	0.031	1988
1989	---	---	0.001	0.001	0	0.002	0	0	0	0	---	---	0	1989
1990	---	---	0.325	1.24	0.045	0.056	0.003	0	0	0	---	---	0.205	1990
MEAN	---	---	0.287	2.18	0.587	0.197	0.088	0.027	0.026	0.022	---	---	0.422	MEAN

LOCATION - LAT 50 09 07 N LONG 101 50 06 W DRAINAGE AREA, 2 730 km² NATURAL FLOW

PIPESTONE CREEK ABOVE MOOSOMIN LAKE - STATION NO. 05NE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	24.7 ON APR 10	0B ON MAR 01 *	14 000	1960
1961	---	0.028E ON APR 04	0 ON MAR 01	53.2	1961
1962	---	0.244B ON APR 17	0B ON MAR 01	278	1962
1963	---	4.45 B ON MAR 25	0B ON MAR 01	5 820	1963
1964	---	7.45 B ON APR 09	0B ON MAR 01	5 790	1964
1965	---	28.9 ON APR 15	0B ON MAR 01	15 400	1965
1966	---	6.74 B ON APR 02	0B ON MAR 01	12 000	1966
1967	---	11.4 B ON APR 10	0B ON MAR 01	10 500	1967
1968	---	1.42 B ON MAR 08	0B ON MAR 01	2 310	1968
1969	---	34.5 B ON APR 12 *	0B ON MAR 01	24 200	1969
1970	---	17.3 B ON APR 11	0B ON MAR 01	24 600	1970
1971	---	8.01 B ON APR 07	0B ON MAR 01	10 600	1971
1972	---	9.91 B ON MAR 22	0B ON MAR 01	16 600	1972
1973	---	0.408B ON MAR 19	0B ON MAR 01	2 300	1973
1986	---	---	0 ON JUL 03	---	1986
1987	---	13.1 E ON APR 06	0B ON MAR 01	11 400	1987
1988	0.673 AT 07:55 CST ON MAY 05	0.615 ON MAY 05	0B ON MAR 01	654	1988
1989	0.018 AT 09:43 CST ON JUN 15	0.012 ON JUN 14	0B ON MAR 01	8.73	1989
1990	6.10 B AT 11:12 CST ON APR 02 *	5.70 B ON APR 02	0B ON MAR 01	4 350	1990
				8 940	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE CREEK NEAR MOOSOMIN - STATION NO. 05NE001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	0.107	5.48	0.480	0.042	0.102	0.055	0.251	0.556	---	---	0.871	1958
1959	---	---	0.092	0	0	0	0.015	0.100	0.177	0	---	---	0.048	1959
1960	---	---	0.507	5.55	0.222	0.704	0.366	0.216	0.250	1.85	---	---	1.20	1960
1961	---	---	0.322	0.093	0.021	0.001	0	0.030	0.047	0.018	---	---	0.067	1961
1962	---	---	0.041	0.068	0.007	0	0	0	0	0.004	---	---	0.015	1962
1963	---	---	0.015	0.264	0.205	0.521	0.442	0.130	0.167	0.186	---	---	0.240	1963
1964	---	---	0.051	3.22	1.51	0.111	0.074	0	0.009	0.415	---	---	0.669	1964
1965	---	---	0.120	6.07	0.370	0.654	0.197	0.016	0.963	0.346	---	---	1.07	1965
1966	---	---	1.07	6.26	1.21	0.592	0.201	0.029	0.105	0.104	---	---	1.17	1966
1967	---	---	0.482	5.04	1.71	0.078	0.008	0	0.248	0.016	---	---	0.937	1967
1968	---	---	1.01	0.456	0.088	0.040	0	0.134	0.076	0	---	---	0.226	1968
1969	---	---	0.795	16.2	1.02	0.133	2.36	0.063	0.022	0.132	---	---	2.55	1969
1970	---	---	0.172	8.37	6.94	0.607	0.321	0.284	0.475	0.409	---	---	2.19	1970
1971	---	---	0.145	1.97	0.261	0.196	0.452	0.067	0.238	0.125	---	---	0.673	1971
1972	---	---	4.01	5.37	0.488	0.304	0.076	0.164	0.314	0.399	---	---	1.39	1972
1973	---	---	0.159	0.235	0.053	0.143	0.097	0.063	0.261	0.554	---	---	0.195	1973
1974	---	---	0.451	18.6	7.54	1.53	0.217	0.028	0.137	0.461	---	---	3.58	1974
1975	---	---	0.331	11.2	10.0	3.36	0.123	0.198	5.65	3.38	---	---	4.25	1975
1976	---	---	0.540	53.9	4.34	8.59	1.15	0.464	2.06	1.36	---	---	8.90	1976
1977	---	---	0.301	0.735	0.151	0.037	0.002	0	0.637	0.163	---	---	0.251	1977
1978	---	---	0.147	4.40	0.044	0.040	0.031	0.187	0.244	0.293	---	---	0.662	1978
1979	---	---	0.165	9.75	5.56	0.750	0.243	0.096	0.203	0.444	---	---	2.13	1979
1980	---	---	0.133	2.62	0.093	0.148	0.172	0.014	0.060	0.142	---	---	0.416	1980
1981	---	---	0.519	0.153	0.009	0.077	0.012	0.009	0.013	0.167	0.152	---	0.120	1981
1982	---	---	0.014	5.52	0.718	0.084	0.108	0.146	0.128	0.377	---	---	0.875	1982
1983	---	---	0.077	10.7	2.48	0.484	0.043	0.245	0.347	0.012	0.012	0.343	1.78	1983
1984	0.149	0.087	0.053	0.019	0.007	0.004	0.002	0.297	0.187	0.137	---	---	0.089	1984
1985	---	---	0.828	7.20	0.658	0.061	0.024	0.055	0.148	0.255	---	---	1.14	1985
1986	---	---	6.07	1.21	2.32	0.333	0.123	0.069	0.061	0.646	---	---	1.36	1986
1987	---	---	0.962	5.18	0.017	0.014	0.018	0.015	0.255	0.228	---	---	0.825	1987
1988	---	---	0.131	0.076	0.008	0.005	0.003	0.006	0.223	0.114	---	---	0.070	1988
1989	---	---	0.005	0.007	0.005	0.004	0.004	0.004	0.549	0.017	---	---	0.073	1989
1990	---	---	0.169	2.12	0.115	0.387	0.097	0.053	0.013	0.423	---	---	0.418	1990
MEAN	0.149	0.087	0.606	6.06	1.47	0.604	0.215	0.098	0.440	0.416	0.082	0.343	1.23	MEAN

LOCATION - LAT 50 02 40 N LONG 101 40 33 W DRAINAGE AREA, 3 650 km²
REGULATED

PIPESTONE CREEK NEAR MOOSOMIN - STATION NO. 05NE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	21.3 ON APR 03	0 ON MAY 20 *	18 400	1958
1959	---	3.11 ON AUG 25	0 ON MAR 25	1 010	1959
1960	---	22.7 ON APR 11	0 ON MAY 03	25 300	1960
1961	---	0.552 ON APR 05	0 ON MAY 27	1 420	1961
1962	---	0.283E ON MAR 25	0 ON MAR 01	314	1962
1963	---	0.691 ON JUL 06	0 B ON MAR 01	5 080	1963
1964	---	10.4 B ON APR 12	0 ON MAY 01	14 200	1964
1965	---	22.0 ON APR 16	0 ON AUG 23	22 700	1965
1966	---	20.0 ON APR 02	0.006 ON AUG 20	24 800	1966
1967	---	16.1 ON APR 12	0 ON APR 08	19 800	1967
1968	---	2.65 ON MAR 19	0 ON MAR 01	4 770	1968
1969	---	71.1 ON APR 14	0 B ON MAR 01	54 000	1969
1970	---	31.7 ON MAY 01	0 B ON MAR 01	46 300	1970
1971	---	12.9 ON APR 11	0.037 ON OCT 16	14 200	1971
1972	---	18.7 ON MAR 23	0.057 ON JUL 14	29 300	1972
1973	---	0.980 ON OCT 20	0.006 ON JUL 21	4 140	1973
1974	71.4 AT 04:09 CST ON APR 20	70.5 ON APR 20	0.024E ON SEP 03	75 800	1974
1975	46.7 AT 08:42 CST ON APR 26	46.2 ON APR 30	0.113E ON AUG 10	90 000	1975
1976	186 AT 15:56 CST ON APR 10 *	176 ON APR 10 *	0.085E ON JUL 10	188 000	1976
1977	1.59 AT 14:09 CST ON APR 17	1.31 ON APR 17	0 ON JUL 06	5 300	1977
1978	---	11.0 RE ON APR 06	0.003 ON JUN 22	14 000	1978
1979	49.9 B AT 14:41 CST ON APR 24	48.9 RB ON APR 24	0.041R ON SEP 26	45 200	1979
1980	11.1 AT 02:51 CST ON APR 10	9.90 ON APR 09	0.001 ON JUL 09	8 810	1980
1981	---	1.42 ON MAR 01	0.001 ON MAY 31	2 550	1981
1982	26.6 AT 23:32 CST ON APR 17	25.6 ON APR 16	0.012B ON MAR 01	18 500	1982
1983	36.6 AT 03:23 CST ON APR 24	35.7 ON APR 24	0.001 ON SEP 24	37 600	1983
1984	0.871 AT 04:28 CST ON AUG 20	0.834 ON AUG 20	0 ON APR 06	1 870	1984
1985	20.9 AT 04:29 CST ON APR 07	20.5 ON APR 07	0.003B ON MAR 01	24 100	1985
1986	21.0 AT 21:21 CST ON MAR 22	18.1 ON MAR 23	0.043 ON SEP 24	28 900	1986
1987	22.6 AT 07:36 CST ON APR 06	22.2 ON APR 06	0.001 ON JUL 22	17 500	1987
1988	0.458 AT 04:09 CST ON SEP 12	0.424 ON OCT 05	0 ON MAY 26	1 490	1988
1989	1.15 AT 18:34 CST ON SEP 21	1.12 ON SEP 21	0.001B ON APR 14	1 550	1989
1990	7.74 AT 14:58 CST ON APR 04	7.54 ON APR 04	0.001 ON SEP 08	8 840	1990
				25 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

PIPESTONE CREEK NEAR ROSE VALLEY - STATION NO. 05LA004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	6.75	3.54	---	---	---	---	---	---	---	---	1966
1967	---	---	---	1.64	4.97	---	---	---	---	---	---	---	---	1967
1968	---	---	0.437	1.14	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	4.09	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	3.67	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	5.88	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.858	0.931	1.49	---	---	---	---	---	---	---	1973
1976	---	---	0	7.68	1.48	0.698	0.425	0	0	0	---	---	1.27	1976
1977	---	---	0	1.95	0.576	0.151	0	0	0	0	---	---	0.330	1977
1978	---	---	0.008	3.15	0.597	0.076	0.161	0.125	0.010	0.015	---	---	0.511	1978
1979	---	---	0	7.45	12.4	1.39	0.167	0.041	0	0	---	---	2.68	1979
1980	---	---	0	1.98	0.312	0.002	0	0	0	0	---	---	0.282	1980
1981	---	---	0.066	2.49	0.126	0	0	0	0	0	---	---	0.329	1981
1982	---	---	0	1.24	0.537	0.178	0.029	0	0	0	---	---	0.245	1982
1983	---	---	0	0.962	1.44	0.547	0.106	0.086	0.010	0.032	---	---	0.397	1983
1984	---	---	0	3.75	0.815	0.396	0.024	0	0	0	---	---	0.614	1984
1985	---	---	0	10.2	2.19	0.267	0.001	0	0	0	---	---	1.55	1985
1986	---	---	0.067	5.03	0.215	0	0	0	0	0	---	---	0.749	1986
1987	---	---	0	3.66	0.074	0	0	0	0	0	---	---	0.458	1987
1988	---	---	0	7.64	0.424	0.041	0	0	0	0	---	---	0.995	1988
1989	---	---	0	0.556	0	0	0	0	0	0	---	---	0.068	1989
1990	---	---	0	4.76	0.190	0.027	0.001	0	0	0	---	---	0.611	1990
MEAN	---	---	0.036	3.97	1.91	0.329	0.061	0.017	0.001	0.003	---	---	0.739	MEAN

LOCATION - LAT 52 17 21 N, LONG 103 40 20 W
DRAINAGE AREA, 843 km^2
REGULATED

PIPESTONE CREEK NEAR ROSE VALLEY - STATION NO. 05LA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1976	---	17.6 ON APR 15	0B ON MAR 01 *	26 800	1976
1977	7.11 AT 03:55 CST ON APR 15	7.02 ON APR 15	0B ON MAR 01	6 990	1977
1978	---	5.06A ON APR 14	0B ON MAR 01	10 800	1978
1979	44.9 AT 01:51 CST ON APR 29 *	44.1 ON APR 29 *	0B ON MAR 01	56 800	1979
1980	5.23 AT 16:14 CST ON APR 15	5.06 ON APR 16	0B ON MAR 01	5 960	1980
1981	---	6.20E ON APR 03	0B ON MAR 01	6 960	1981
1982	4.59B AT 18:08 CST ON APR 18	4.44B ON APR 18	0B ON MAR 01	5 200	1982
1983	4.93 AT 22:17 CST ON APR 26	4.82 ON APR 26	0B ON MAR 01	8 400	1983
1984	8.07 AT 05:37 CST ON APR 08	8.02 ON APR 08	0B ON MAR 01	13 000	1984
1985	28.0 AT 05:05 CST ON APR 18	27.2 ON APR 18	0B ON MAR 01	32 900	1985
1986	15.0 AT 19:21 CST ON APR 09	14.9 ON APR 09	0B ON MAR 01	15 900	1986
1987	17.8 AT 05:12 CST ON APR 09	17.3 ON APR 09	0B ON MAR 01	9 690	1987
1988	---	25.9 E ON APR 10	0B ON MAR 01	21 100	1988
1989	2.85 AT 13:25 CST ON APR 12	2.16 ON APR 12	0B ON MAR 01	1 440	1989
1990	13.6 B AT 00:05 CST ON APR 11	13.1 B ON APR 10	0B ON MAR 01	12 900	1990
				15 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE RIVER BELOW ROTARIU LAKE - STATION NO. 07LD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	5.91	4.73	3.97	4.05	4.49	4.78	4.14	3.67	---	1978
1979	3.55	3.54	3.56	3.72	5.37	4.76	4.34	3.78	3.74	4.01	3.81	3.24	3.95	1979
1980	3.48	3.64	3.16	4.14	3.76	2.90	2.82	3.05	2.65	3.02	2.38	1.72	3.06	1980
1981	1.96	1.72	2.49	2.81	6.42	3.77	2.89	2.37	1.84	1.74	1.81	1.81	2.64	1981
1982	1.28	1.33	1.18	1.62	4.09	3.93	3.65	5.10	4.11	2.98	2.51	2.40	2.86	1982
1983	2.48	2.38	3.31	4.58	5.00	6.26	4.23	3.85	4.57	3.62	2.97	2.14	3.78	1983
1984	2.19	2.47	2.35	4.22	4.37	4.61	3.75	4.25	3.76	3.20	2.76	2.29	3.35	1984
1985	2.45	2.44	2.82	3.35	8.16	4.65	3.49	3.04	3.95	3.63	3.19	2.40	3.64	1985
1986	2.42	2.33	2.50	3.60	6.04	4.48	5.37	5.02	4.07	3.40	2.86	2.69	3.74	1986
1987	2.59	2.67	2.87	4.04	6.07	3.53	1.92	2.05	2.56	2.35	2.21	2.04	2.91	1987
1988	1.70	1.78	1.77	1.95	4.07	4.80	4.82	4.20	4.43	3.86	3.79	3.42	3.39	1988
1989	2.96	2.95	2.61	2.87	5.51	5.51	5.18	4.26	4.42	4.16	3.55	3.06	3.93	1989
1990	3.10	2.93	3.01	3.30	4.37	4.08	4.04	2.51	2.53	2.90	2.89	2.84	3.21	1990
MEAN	2.51	2.52	2.64	3.35	5.33	4.46	3.88	3.66	3.62	3.36	2.99	2.59	3.37	MEAN

LOCATION - LAT 58 14 15 N
LONG 106 07 45 W
DRAINAGE AREA, 964 km^2
NATURAL FLOW

PIPESTONE RIVER BELOW ROTARIU LAKE - STATION NO. 07LD003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	6.69 AT 16:24 CST ON MAY 08	6.60R ON MAY 08	---	---	1978
1979	6.76 AT 11:22 CST ON MAY 20	6.75R ON MAY 20	3.05 ON DEC 22	125 000	1979
1980	5.74 AT 16:10 CST ON APR 27	5.66R ON APR 27	1.47 R ON DEC 15	96 700	1980
1981	7.65 AT 18:20 CST ON MAY 10	7.64A ON MAY 10	1.46 ON FEB 22	83 400	1981
1982	5.79 AT 13:28 CST ON AUG 13	5.78R ON AUG 12	0.980 ON MAR 22 *	90 100	1982
1983	7.46 AT 14:14 CST ON JUN 16	7.30 ON JUN 17	1.84 ON DEC 30	119 000	1983
1984	5.95 AT 22:35 CST ON JUN 05	5.87 ON JUN 05	1.86 ON JAN 01	106 000	1984
1985	10.6 AT 01:09 CST ON MAY 09 *	10.4 ON MAY 08 *	1.81 ON JAN 03	115 000	1985
1986	6.83 AT 16:17 CST ON MAY 11	6.75 ON MAY 13	2.14 ON JAN 14	118 000	1986
1987	7.00 AT 00:40 CST ON MAY 06	6.76A ON MAY 05	1.73 ON JUL 14	91 800	1987
1988	5.81 AT 19:01 CST ON JUN 19	5.48 ON JUN 19	1.44 ON JAN 19	107 000	1988
1989	7.63 AT 08:33 CST ON MAY 26	7.40 ON MAY 26	2.42 ON MAR 14	124 000	1989
1990	4.80 AT 09:07 CST ON JUN 22	4.76 ON JUL 02	2.11 ON SEP 01	101 000	1990
				106 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

POLLOCK EAST DITCH NEAR CYPRESS - STATION NO. 05HA050

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 44 02 N
LONG 109 37 50 W
REGULATED

POLLOCK EAST DITCH NEAR CYPRESS - STATION NO. 05HA050

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	0 ON JUL 24 *	---	1917
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

POLLOCK EAST DITCH NEAR SOUTH FORK - STATION NO. 05HD012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	0.008	0.005	---	---	---	---	---	---	1912
1913	---	---	---	---	0.003	0.028	0.005	---	---	---	---	---	---	1913
1915	---	---	---	---	---	0.025	0.009	---	---	---	---	---	---	1915
1919	---	---	---	---	0.010	0.045	0.006	---	---	---	---	---	---	1919
1920	---	---	---	---	0.010	0.025	0.004	---	---	---	---	---	---	1920
1921	---	---	---	---	---	0.012	0.012	---	---	---	---	---	---	1921
1922	---	---	---	---	---	0.004	0.011	0.001	---	---	---	---	---	1922
1923	---	---	---	---	---	0.004	0.008	0.002	---	---	---	---	---	1923
MEAN	---	---	---	---	0.008	0.019	0.008	0.002	---	---	---	---	---	MEAN

LOCATION - LAT 49 34 35 N
LONG 108 46 27 W REGULATED

POLLOCK EAST DITCH NEAR SOUTH FORK - STATION NO. 05HD012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1915	---	---	---	---	1915
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	---	---	---	1922
1923	---	---	---	---	1923
				---	MEAN

POLLOCK WEST DITCH FROM CYPRESS CREEK - STATION NO. 05HA051

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	0.018	0.027	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	0.007	0.013	0.006	0.025	---	---	---	---	---	1917
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
MEAN	---	---	---	0.018	0.017	0.013	0.006	0.025	---	---	---	---	---	MEAN

LOCATION - LAT 49 44 02 N
LONG 109 37 55 W REGULATED

POLLOCK WEST DITCH FROM CYPRESS CREEK - STATION NO. 05HA051

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON JUL 12 *	---	1915
1916	---	---	0 ON APR 01	---	1916
1917	---	---	0 ON MAY 01	---	1917
1919	---	---	0 ON JUN 21	---	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PONASS CREEK NEAR PONASS LAKE - STATION NO. 05MA008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	---	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	---	---	0	0.005	0.025	0.026	0.019	0.021	---	---	---	1921
1922	---	---	---	0.086	0.087	0.060	0.049	0.033	0.025	0.005	---	---	0.050	1922
1923	---	---	---	0.034	0.027	0.029	0.049	0.048	0.025	0.008	---	---	0.031	1923
MEAN	---	---	---	0.031	0.023	0.019	0.025	0.021	0.014	0.007	---	---	0.020	MEAN

LOCATION - LAT 52 11 18 N LONG 103 59 11 W
DRAINAGE AREA, 250 km²
NATURAL FLOW

PONASS CREEK NEAR PONASS LAKE - STATION NO. 05MA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	0 E ON APR 01	0E ON APR 01 *	0	1919
1920	---	0 E ON APR 01	0E ON APR 01	0	1920
1921	---	---	0 ON APR 29	---	1921
1922	---	0.193 ON MAY 17 *	0B ON APR 01	919	1922
1923	---	0.122B ON APR 19	0B ON APR 01	582	1923
				375	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POPLAR RIVER ABOVE BOLSTER CREEK - STATION NO. 11AE018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	0.044R	---	---	---	1980
MEAN	---	---	---	---	---	---	---	---	---	0.044R	---	---	---	MEAN

LOCATION - LAT 49 06 12 N LONG 106 01 12 W
DRAINAGE AREA, 308 km²
NATURAL FLOW
DATA CONTRIBUTED BY - HARDY ASSOCIATES (1978 LTD)
R - REVISED SINCE JAN 01 1989

POPLAR RIVER ABOVE BOLSTER CREEK - STATION NO. 11AE018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
				---	MEAN

POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	0.382	0.230	0.090	0.035	0.047	0.006	0.127	0.045	---	---	0.120	1931
1932	---	---	---	0.521	0.179	0.255	0.001	0.092	0.094	0.142	---	---	---	1932
1933	---	---	2.84	0.513	0.490	0.140	0.007	0.025	0.082	0.089	---	---	0.527	1933
1934	---	---	2.31	0.867	0.125	0.143	0.008	0.002	0.009	0.022	---	---	0.437	1934
1935	---	---	0.588	0.871	0.308	0.470	0.329	0.004	0.005	0.010	---	---	0.322	1935
1936	---	---	1.65	1.79	0.431	0.016	0.002	0	0.002	0.006	0.004	---	0.486	1936
1937	---	---	0.115	0.370	0.137	0.024	0.498	0.010	0.005	0.035	---	---	0.150	1937
1938	---	---	3.81	0.356	0.423	0.162	0.079	0.006	0.009	0.075	---	---	0.620	1938
1939	---	---	8.25	0.312	0.223	1.23	0.086	0.003	0.005	0.007	---	---	1.27	1939
1940	---	---	0.021	1.55	0.480	0.259	0.076	0.549	0.014	0.080	---	---	0.376	1940
1941	---	---	3.36	0.389	0.317	0.450	0.080	0.007	0.021	0.074	---	---	0.591	1941
1942	---	---	0.836	1.10	0.310	0.320	0.121	0.087	0.237	0.149	---	---	0.393	1942
1943	---	---	8.52	3.82	0.254	1.43	0.392	0.264	0.015	0.097	---	---	1.85	1943
1944	---	---	0.189	1.08	0.405	0.485	0.069	0.167	0.055	0.074	---	---	0.313	1944
1945	---	---	2.51	0.244	0.218	0.197	0.041	0.004	0.005	0.036	---	---	0.410	1945
1946	---	---	1.65	0.258	0.104	0.306	0.102	0.002	0.002	0.033	---	---	0.309	1946
1947	---	---	1.35	2.70	0.327	0.698	0.082	0.045	0.048	0.092	---	---	0.661	1947
1948	---	---	1.14	5.18	0.642	0.230	0.036	0.048	0.004	0.029	---	---	0.903	1948
1949	---	---	1.11	0.641	0.251	0.085	0.045	0.014	0.003	0.056	---	---	0.277	1949
1950	---	---	0	6.65	0.702	0.807	0.136	0.024	0.039	0.100	---	---	1.04	1950
1951	---	---	0	2.65	1.34	0.202	0.043	0.015	0.142	0.125	---	---	0.560	1951
1952	---	---	0.005	19.8	0.304	0.094	0.423	0.031	0.068	0.070	---	---	2.55	1952
1953	---	---	1.24	1.25	1.52	2.67	0.887	0.062	0.067	0.108	0.148	---	0.971	1953
1954	---	---	0.924	13.5	0.776	0.867	0.096	0.242	0.434	0.334	0.265	---	2.11	1954
1955	---	---	2.65	7.88	2.11	0.364	0.443	0.098	0.015	0.088	---	---	1.69	1955
1956	---	---	1.34	1.38	0.571	0.305	0.068	0.021	0.014	0.065	---	---	0.469	1956
1957	---	---	0.781	0.475	0.266	0.151	0.015	0.005	0.010	0.060	---	---	0.220	1957
1958	---	---	2.24	2.08	0.189	0.054	0.007	0.003	0.003	0.009	---	---	0.571	1958
1959	---	---	0.499	0.273	0.199	0.155	0.096	0.005	0.041	0.209	---	---	0.185	1959
1960	---	---	8.20	0.464	0.367	0.117	0.056	0.009	0.005	0.007	---	---	1.17	1960
1961	---	---	0.661	0.241	0.197	0.056	0.004	0	0.004	0.008	---	---	0.147	1961
1962	---	---	2.37	2.47	0.238	0.310	0.048	0.017	0.004	0.075	---	---	0.688	1962
1963	---	---	5.28	0.569	0.351	5.40	1.93	0.113	0.034	0.034	---	---	1.71	1963
1964	---	---	0.236	1.10	0.382	0.176	0.074	0.003	0.001	0.005	---	---	0.245	1964
1965	---	---	0	1.09	0.890	0.366	0.077	0.004	0.113	0.085	---	---	0.325	1965
1966	---	---	2.39	0.255	0.540	0.182	0.058	0.005	0.004	0.044	---	---	0.438	1966
1967	---	---	0.409	7.23	0.869	0.355	0.012	0	0.001	0.074	---	---	1.10	1967
1968	---	---	4.51	0.277	0.212	0.073	0.010	0.274	0.073	0.089	---	---	0.696	1968
1969	---	---	0.128	9.94	0.379	0.078	1.43	0.024	0.006	0.080	---	---	1.49	1969
1970	---	---	0.802	3.63	1.70	0.378	0.132	0.004	0.007	0.070	---	---	0.833	1970
1971	---	---	0.541	2.12	0.275	0.135	0.009	0.001	0.003	0.017	---	---	0.375	1971
1972	---	---	5.26	0.331	0.783	0.656	0.192	0.046	0.019	0.091	---	---	0.929	1972
1973	---	---	0.399	0.363	0.294	0.218	0.046	0.002	0.005	0.054	---	---	0.172	1973
1974	---	---	3.56	7.29	0.947	0.181	0.090	0.091	0.056	0.153	---	---	1.54	1974
1975	---	---	0.302	15.6	1.40	0.329	0.059	0.036	0.085	0.134	0.140	---	2.21	1975
1976	---	---	8.47	0.933	0.158	0.460	1.36	0.058	0.007	0.070	---	---	1.45	1976
1977	---	---	0.268	0.314	0.351	0.104	0.054	0.008	0.045	0.166	---	---	0.164	1977
1978	---	---	6.38	2.14	0.724	0.337	0.768	0.007	0.306	0.164	---	---	1.36	1978
1979	---	---	1.27	9.21	1.69	0.288	0.020	0.002	0.003	0.023	---	---	1.54	1979
1980	---	---	0.455	1.35	0.149	0.026	0.011	0.038	0.041	0.081	---	---	0.267	1980
1981	---	1.74	0.285	0.203	0.123	0.209	0.007	0.002	0.001	0.007	---	---	0.104	1981
1982	---	---	0.002	8.04	2.44	0.588	0.094	0.015	0.005	0.102	---	---	1.39	1982
1983	---	---	0.337	0.443	0.431	0.054	0.020	0.002	0.002	0.030	---	---	0.165	1983
1984	---	---	1.61	0.344	0.109	1.18	0.067	0.002	0.003	0.025	---	---	0.415	1984
1985	---	---	1.94	0.483	0.166	0.107	0.003	0.001	0.028	0.171	---	---	0.364	1985
1986	---	---	4.96	0.365	0.688	0.069	0.060	0.003	0.050	0.202	---	---	0.807	1986
1987	---	---	0.376	1.02	0.113	0.010	0.010	0.042	0.020	0.063	---	---	0.205	1987
1988	---	---	0.130	0.156	0.152	0.005	0.001	0	0	0.001	---	---	0.056	1988
1989	---	---	0.785	0.520	0.203	0.119	0.018	0.001	0.001	0.005	---	---	0.206	1989
1990	---	---	0.300	0.412	0.149	0.096	1.00	0.056	0.006	0.015	---	---	0.256	1990
MEAN	---	1.74	1.91	2.63	0.518	0.421	0.201	0.045	0.042	0.074	0.139	---	0.732	MEAN

LOCATION - LAT 48 59 25 N LONG 105 41 46 W DRAINAGE AREA, 928 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	4.90 AT 22:00 MST ON SEP 19	1.90 ON SEP 20	0.003 ON AUG 14	2 550	1931
1932	---	---	0 ON JUN 30 *	---	1932
1933	10.3 B AT 20:00 MST ON MAR 19	10.0 B ON MAR 19	0 ON JUL 28	11 200	1933
1934	5.27 AT 19:30 MST ON APR 03	4.13 ON APR 03	0 ON AUG 03	9 260	1934
1935	46.7 AT 20:00 MST ON JUN 15	4.70 ON APR 15	0 B ON MAR 01	6 810	1935
1936	11.3 ON APR 12	7.33 ON APR 13	0 B ON MAR 01	10 300	1936
1937	29.4 AT 15:00 MST ON JUL 13	7.17 ON JUL 13	0 B ON MAR 01	3 170	1937
1938	21.1 B AT 21:00 MST ON MAR 16	17.6 ON MAR 17	0.003 ON AUG 20	13 100	1938
1939	159 AT 21:00 ON MAR 21	65.1 ON MAR 22	0 ON MAR 01	27 000	1939
1940	28.0 AT 07:00 MST ON AUG 02	12.5 B ON APR 14	0.003 ON JUL 05	7 950	1940
1941	12.0 B AT 14:30 MST ON MAR 26	11.0 B ON APR 23	0 B ON MAR 01	12 500	1941
1942	11.2 B AT 16:00 MST ON APR 04	5.10 B ON APR 03	0 ON MAR 01	8 330	1942
1943	88.3 AT 04:00 MST ON MAR 30	72.5 ON MAR 30	0.003B ON MAR 01	39 200	1943
1944	---	8.50 B ON APR 02	0 B ON MAR 01	6 620	1944
1945	---	8.50 B ON MAR 13	0 B ON MAR 01	8 670	1945
1946	---	4.96 B ON MAR 13	0 B ON MAR 01	6 540	1946
1947	12.9 AT 11:30 MST ON APR 12	11.8 ON APR 12	0 B ON MAR 01	14 000	1947
1948	34.3 AT 01:30 MST ON APR 16	23.1 ON APR 15	0 B ON MAR 01	19 100	1948
1949	---	4.96 B ON MAR 27	0 B ON MAR 01	5 860	1949
1950	48.4 AT 03:00 MST ON APR 18	29.7 ON APR 18	0 B ON MAR 01	22 000	1950
1951	13.0 ON APR 20	12.2 ON MAY 01	0 E ON MAR 01	11 800	1951
1952	99.1 AT 24:00 MST ON APR 13	75.9 ON APR 14	0 B ON MAR 01	54 000	1952
1953	21.7 AT 02:00 MST ON JUL 01	12.7 B ON MAR 29	0.008B ON MAR 01	20 600	1953
1954	360 B AT 20:00 MST ON APR 06 *	142 B ON APR 06 *	0.020 ON JUL 23	44 700	1954
1955	---	43.0 ON APR 03	0.003B ON MAR 01	35 800	1955
1956	9.17 B AT 17:00 MST ON MAR 27	7.50 B ON MAR 27	0 B ON MAR 01	9 930	1956
1957	---	4.53 B ON MAR 23	0.003 ON JUL 26	4 670	1957
1958	45.0 AT 21:30 MST ON MAR 30	36.8 ON MAR 31	0 ON AUG 26	12 100	1958
1959	---	1.70 B ON MAR 22	0 B ON MAR 01	3 920	1959
1960	---	62.3 E ON MAR 21	0 ON MAR 01	24 700	1960
1961	5.32 B AT 04:30 MST ON MAR 14	3.96 B ON MAR 14	0 ON AUG 04	3 110	1961
1962	21.4 B AT 15:00 MST ON MAR 29	16.1 B ON MAR 28	0 B ON MAR 01	14 600	1962
1963	210 AT 04:00 MST ON JUN 21	81.6 ON JUN 21	0 B ON MAR 01	36 200	1963
1964	11.3 B AT 19:00 ON MAR 31	9.06 B ON APR 01	0 ON MAR 01	5 180	1964
1965	7.87 AT 11:30 MST ON APR 16	5.89 ON APR 16	0 B ON MAR 01	6 890	1965
1966	14.2 B AT 13:00 MST ON MAR 16	11.3 B ON MAR 15	0 B ON MAR 01	9 260	1966
1967	51.9 B AT 22:00 MST ON APR 08	32.6 B ON APR 09	0 B ON MAR 01	23 300	1967
1968	20.4 B AT 13:15 MST ON MAR 07	17.3 B ON MAR 06	0 ON JUL 21	14 700	1968
1969	75.7 AT 01:00 MST ON APR 06	48.4 ON APR 07	0 B ON MAR 01	31 400	1969
1970	18.3 AT 01:00 MST ON APR 09	14.3 ON APR 08	0.001 ON SEP 05	17 600	1970
1971	---	7.08 B ON MAR 30	0 B ON MAR 01	7 950	1971
1972	102 AT 01:00 MST ON JUN 08	39.9 B ON MAR 15	0 ON MAR 01	19 700	1972
1973	1.98 B AT 08:00 MST ON MAR 10	1.13 B ON MAR 11	0 ON MAR 01	3 650	1973
1974	31.1 B ON MAR 30	31.1 B ON MAR 30	0.008 ON JUL 24	32 500	1974
1975	241 AT 00:15 CST ON APR 23	124 ON APR 23	0 B ON MAR 01	46 700	1975
1976	---	52.1 B ON MAR 19	0 B ON MAR 05	30 700	1976
1977	17.4 AT 22:00 CST ON MAY 27	2.32 ON MAY 28	0.006 ON AUG 17	3 470	1977
1978	---	23.9 ON MAR 31	0 B ON MAR 01	28 700	1978
1979	53.2 AT 07:00 CST ON APR 19	45.9 ON APR 19	0 B ON MAR 01	32 700	1979
1980	8.92 B AT 11:00 MST ON APR 01	7.67 B ON APR 01	0.001B ON MAR 01	5 650	1980
1981	---	0.708B ON MAR 01	0 ON AUG 26	2 200	1981
1982	113 B AT 21:15 CST ON APR 13	62.3 ON APR 13	0 B ON MAR 01	29 500	1982
1983	---	1.70 B ON APR 03	0.001 ON AUG 07	3 480	1983
1984	42.8 AT 14:00 CST ON JUN 21	16.7 ON JUN 21	0.001 ON JUL 20	8 790	1984
1985	8.18 AT 16:30 CST ON MAR 20	5.01 ON MAR 20	0.001 ON JUL 14	7 710	1985
1986	70.8 A ON FEB 26	25.5 ON MAR 01	0.002 ON AUG 09	17 100	1986
1987	7.36 B AT 14:30 CST ON APR 02	6.23 B ON APR 02	0.001 ON JUL 09	4 350	1987
1988	0.368 AT 00:01 CST ON MAY 10	0.368 ON MAY 10	0 ON JUL 15	1 180	1988
1989	---	4.81 B ON MAR 26	0 B ON MAR 01	4 370	1989
1990	52.1 AT 22:30 CST ON JUL 26	13.9 ON JUL 27	0 B ON MAR 01	5 420	1990
				15 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PORCUPINE RIVER AT OUTLET OF GROVE LAKE - STATION NO. 07LC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	21.4	18.1	---	1973
1974	---	---	---	---	---	---	37.1	55.0	65.5	56.7	49.5	46.5	---	1974
1975	42.7	---	---	---	---	---	85.4	68.2	51.0	44.9	---	---	---	1975
1976	---	---	---	---	---	132	84.8	55.0	49.9	53.5	54.2	44.8	---	1976
1977	39.8	39.0	37.9	43.0	134	194	199	165	159	121	94.8	72.5	108	1977
1978	56.9	46.5	37.6	33.7	73.1	110	99.1	84.0	74.1	73.8	61.0	49.3	66.7	1978
1979	41.2	33.6	29.8	26.5	49.0	110	72.3	47.1	35.3	34.5	33.7	27.5	45.0	1979
1980	22.8	19.0	16.9	26.9	71.4	64.8	50.4	48.7	52.2	58.4	54.1	39.5	44.5	1980
1981	33.3	29.9	28.3	27.2	75.7	103	81.6	66.8	57.0	50.1	45.9	40.9	53.4	1981
1982	35.3	32.2	27.4	25.0	119	147	96.7	71.1	83.4	80.8	57.9	47.4	68.8	1982
1983	44.9	39.0	35.6	33.7	46.3	119	113	107	96.4	94.7	82.5	59.5	72.8	1983
1984	49.9	44.0	36.2	54.5	113	105	86.9	80.2	94.0	76.6	63.3	52.7	71.4	1984
1985	40.8	36.1	36.9	35.0	124	101	63.5	49.2	65.5	84.6	70.4	56.3	63.8	1985
1986	48.6	44.4	39.7	36.8	135	185	119	104	125	95.8	75.4	58.4	89.1	1986
1987	48.3	40.4	36.3	39.2	107	110	85.3	52.4	42.5	39.7	40.9	39.2	56.9	1987
1988	31.3	24.9	25.4	25.8	67.4	165	134	104	78.5	70.1	62.5	58.1	70.7	1988
1989	50.1	46.4	38.7	34.9	110	129	135	86.7	82.0	90.1	84.9	72.0	80.2	1989
1990	61.6	51.9	43.2	36.8	51.9	85.1	85.6	81.6	66.3	58.8	56.2	53.1	61.1	1990
MEAN	43.2	37.7	33.3	34.2	91.2	124	96.3	78.0	75.2	69.7	59.3	49.2	68.0	MEAN

LOCATION - LAT 59 26 40 N LONG 104 21 40 W
DRAINAGE AREA, 7 300 km^2
NATURAL FLOW

PORCUPINE RIVER AT OUTLET OF GROVE LAKE - STATION NO. 07LC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	224 AT 14:00 CST ON JUN 29	222 ON JUN 27	32.0E ON MAR 21	3 420 000	1977
1978	121 AT 14:52 CST ON JUN 04	120 ON JUN 05	32.0 ON APR 24	2 100 000	1978
1979	125 AT 17:40 CST ON JUN 06	125 ON JUN 06	25.0 ON DEC 29	1 420 000	1979
1980	79.8 AT 18:52 CST ON MAY 10	79.3 ON MAY 12	16.1 ON MAR 23 *	1 410 000	1980
1981	121 AT 15:05 CST ON JUN 02	120 ON JUN 02	26.3 ON APR 19	1 680 000	1981
1982	170 AT 22:44 CST ON JUN 03	169 ON JUN 03	24.3 ON APR 07	2 170 000	1982
1983	153 AT 17:53 CST ON JUN 24	151 ON JUN 24	32.0 ON APR 15	2 300 000	1983
1984	121 AT 15:50 CST ON MAY 02	118 ON MAY 01	33.8 ON MAR 19	2 260 000	1984
1985	160 AT 21:08 CST ON MAY 20	160 ON MAY 20	33.5 ON APR 16	2 010 000	1985
1986	268 AT 19:49 CST ON MAY 28 *	266 ON MAY 28 *	35.9 ON MAY 01	2 810 000	1986
1987	122 AT 06:10 CST ON MAY 22	121 ON MAY 19	34.7 ON APR 08	1 790 000	1987
1988	187 AT 15:46 CST ON JUN 08	185 ON JUN 07	24.3 ON MAR 01	2 230 000	1988
1989	---	164 ON MAY 26	33.1 ON APR 28	2 530 000	1989
1990	91.7 AT 20:29 CST ON JUN 23	90.9 ON JUN 29	35.1 ON APR 19	1 930 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 150 000	MEAN

PRAIRIE RIVER NEAR PRAIRIE RIVER - STATION NO. 05LB010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	1.43	---	---	---	---	---	---	---	---	---	1959
1962	---	---	---	---	3.94	---	---	---	---	---	---	---	---	1962
1963	---	---	---	1.91	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	---	1.66	---	---	---	---	---	---	---	---	1964
1965	---	---	---	---	4.12	---	---	---	---	---	---	---	---	1965
1967	---	---	---	---	5.56	---	---	---	---	---	---	---	---	1967
1968	---	---	0.010	0.800	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	2.32	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.05	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	3.49	---	---	---	---	---	---	---	---	---	1971
1974	---	---	---	---	7.46	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.73	3.31	2.32	0.685	0.071	0.627	0.567	---	---	1.16	1975
1976	---	---	0.034	1.28	0.524	1.36	0.501	0.090	0	0	---	---	0.469	1976
1977	---	---	0.003	0.574	0.758	0.222	0.002	0.010	1.14	0.705	---	---	0.424	1977
1978	---	---	0.042	1.87	3.04	0.897	0.230	1.87	2.44	2.50	---	---	1.61	1978
1979	---	---	0.076	2.45	9.49	4.15	0.317	0.032	0.008	0.385	---	---	2.11	1979
1980	---	---	0.016	1.17	0.158	0.065	0.271	1.40	1.44	1.88	---	---	0.799	1980
1981	---	---	0.238	1.03	0.889	0.183	0.153	0.157	0.170	0.790	---	---	0.453	1981
1982	---	---	0.004	1.48	2.02	3.27	0.243	0.326	0.471	0.496	---	---	1.03	1982
1983	---	---	0.004	0.946	1.75	4.25	6.93	0.335	1.01	0.792	---	---	2.00	1983
1984	---	---	0.029	3.31	6.69	4.08	0.263	0.057	0.118	0.547	---	---	1.88	1984
1985	---	---	0.039	3.26	3.15	3.19	0.714	0.278	0.591	0.583	---	---	1.47	1985
1986	---	---	0	1.04	2.90	0.653	0.594	0.570	0.156	0.282	---	---	0.777	1986
1987	---	---	0.031	2.19	0.929	0.852	0.193	0.006	0.029	0.222	---	---	0.550	1987
1988	---	---	0.018	1.18	1.28	0.439	0.211	0.255	0.474	0.257	---	---	0.488	1988
1989	---	---	0.026	0.855	0.860	0.736	0.913	0.226	0.347	0.253	---	---	0.525	1989
1990	---	---	0.028	1.26	1.80	0.674	0.529	0.003	0	0.014	---	---	0.537	1990
MEAN	---	---	0.035	1.66	2.97	1.70	0.797	0.356	0.564	0.643	---	---	1.02	MEAN

LOCATION - LAT 52 49 01 N LONG 102 59 49 W

DRAINAGE AREA, 324 km^2
NATURAL FLOW

REMARKS - STATION LOCATED IN NW32-44-07-W2 FOR THE PERIOD 1959-74

PRAIRIE RIVER NEAR PRAIRIE RIVER - STATION NO. 05LB010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	---	---	---	1959
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	---	---	---	---	1974
1975	---	5.78 ON APR 30	0 B ON MAR 01 *	24 500	1975
1976	---	5.35 ON JUN 26	0 ON AUG 19	9 920	1976
1977	---	5.50 ON MAY 28	0.001E ON JUL 11	8 980	1977
1978	7.90 AT 10:21 CST ON MAY 07	7.73 ON MAY 07	0.031B ON APR 09	34 100	1978
1979	24.3 AT 09:09 CST ON MAY 18 *	23.0 ON MAY 18 *	0.001E ON AUG 26	44 700	1979
1980	5.39B AT 21:53 CST ON APR 13	4.02 ON AUG 18	0.001 ON JUN 11	16 900	1980
1981	1.98 AT 17:17 CST ON APR 20	1.80 ON APR 29	0.010 ON SEP 23	9 580	1981
1982	15.1 AT 02:04 CST ON JUN 01	14.6 ON MAY 31	0 B ON MAR 01	21 800	1982
1983	17.0 AT 22:38 CST ON JUL 04	16.4 ON JUL 05	0 B ON MAR 01	42 400	1983
1984	21.1 AT 02:02 CST ON MAY 20	20.1 ON MAY 20	0 ON AUG 25	39 800	1984
1985	8.89B AT 20:46 CST ON APR 14	7.16 ON APR 22	0.013B ON MAR 01	31 000	1985
1986	9.20 AT 06:39 CST ON MAY 17	8.25 ON MAY 17	0 B ON MAR 01	16 400	1986
1987	7.67B AT 23:47 CST ON APR 06	3.40 ON APR 20	0.002 ON AUG 02	11 600	1987
1988	6.54B AT 00:22 CST ON APR 12	3.16B ON APR 12	0 ON JUN 21	10 300	1988
1989	3.59 AT 17:10 CST ON APR 25	2.75 ON MAY 27	0.006B ON MAR 27	11 100	1989
1990	4.60 AT 05:53 CST ON MAY 10	4.03 ON MAY 09	0 ON SEP 01	11 400	1990
				21 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRESBYTERIAN RIVER ABOVE LEATHER RIVER - STATION NO. 05KB013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 01 00 N
LONG 104 01 12 W NATURAL FLOW

PRESBYTERIAN RIVER ABOVE LEATHER RIVER - STATION NO. 05KB013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	23.2 ON APR *	---	---	---	1972
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER ABOVE BUFFALO POUND LAKE - STATION NO. 05JG004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	---	0	---	---	---	1935
1936	---	---	---	---	0.766	0.148	---	---	---	---	---	---	---	1936
1944	---	---	0.006	0.099	0.063	0.083	0.011	0	0	0	---	---	---	1944
1945	---	---	0.003	0.002	0	0	0	0	0	0	---	---	---	1945
1946	---	---	2.67	0.082	0.001	0	0	0	0	0	---	---	---	1946
1947	---	---	0	1.94	0.130	0.013	0.011	0	0	0	---	---	---	1947
1948	---	---	0	5.20	0.711	0.051	0.026	0.006	0	0	---	---	---	1948
1949	---	---	0.009	0.060	0	0	0	0.124	0.001	0	---	---	---	1949
1950	---	---	0.138	8.70	0.908	0.200	0.011	0	0	0	---	---	---	1950
1951	---	---	0	3.40	2.55	0.537	0.368	0.143	0.307	0.178	---	---	---	1951
1952	---	---	0.047	7.74	1.16	0.473	0.142	0.080	0.021	0.005	---	---	---	1952
1953	---	---	1.82	2.46	0.767	0.389	0.029	0.007	0.001	0	---	---	---	1953
1954	---	---	0.024	0.149	0.062	0.170	0.284	0.050	0.184	0.116	---	---	---	1954
1955	---	---	1.17	8.73	4.35	0.224	0.471	0.013	0.141	0.229	---	---	---	1955
1956	---	---	0	9.42	1.33	0.133	0.011	0	0	0.041	---	---	---	1956
1957	---	---	3.39	1.97	0.569	0.145	0.154	0.030	0	0.094	---	---	---	1957
1958	---	---	3.17	3.16	0.118	0.001	0.558	0.249	0.918	1.71	---	---	---	1958
1959	---	---	1.74	0.859	0.030	0.377	1.43	1.60	3.05	0.977	---	---	---	1959
1960	---	---	2.34	9.02	0.312	0.065	0.464	2.22	0.404	0.032	---	---	---	1960
1961	---	---	0.136	0.459	2.47	2.39	2.65	2.58	2.80	0.215	---	---	---	1961
1962	---	---	0.551	0.516	0.013	2.24	2.28	2.30	2.43	0.110	---	---	---	1962
1963	---	---	0.747	1.27	2.71	2.80	2.15	0.261	2.48	1.98	---	---	---	1963
1964	---	---	0	0.293	0.170	0.007	0	2.24	2.48	2.52	2.02	0.077	---	1964
1965	---	---	0	4.36	0.551	0.153	0.018	0	0	0	---	---	---	1965
1966	---	---	1.58	0.193	0.031	0.002	0.011	0.010	0	0	---	---	---	1966
1967	---	---	0	3.36	1.21	0.840	5.06	5.39	5.63	5.71	5.61	4.45	---	1967
1968	4.05	0.620	3.22	2.26	3.01	3.55	3.30	1.46	0.045	0.034	7.00	4.46	2.76	1968
1969	5.54	2.67	0.009	12.2	0.057	0	2.78	1.26	3.80	0.262	2.37	3.10	2.82	1969
1970	2.34	0.775	2.52	7.93	1.04	0.922	0.714	0.436	0.069	0.016	2.40	2.62	1.81	1970
1971	0.962	2.60	0.114	5.25	0.157	0.664	0.138	0.020	0.068	1.28	2.47	1.86	1.28	1971
1972	1.27	1.28	1.14	1.01	4.20	2.27	3.37	4.10	1.64	0.359	3.68	2.21	2.39	1972
1973	1.10	0.128	0.805	5.79	6.36	1.80	4.73	5.05	1.03	2.04	1.71	0.981	2.65	1973
1974	1.00	0.344	0.068	22.8	5.24	0.465	0.029	0.248	0.400	0.053	3.07	2.23	2.98	1974
1975	1.25	0.928	0.051	3.39	0.310	0.630	0.376	1.34	2.41	1.68	1.31	1.24	1.24	1975
1976	1.15	0.322	2.62	4.55	0.118	0.228	0.170	0.257	2.85	1.39	1.68	1.32	1.37	1976
1977	1.11	1.04	1.08	1.39	2.63	3.52	2.35	2.54	3.20	3.39	1.67	1.13	2.09	1977
1978	1.04	0.990	0.515	1.63	0.576	0.634	2.28	3.37	3.76	2.11	1.43	1.13	1.62	1978
1979	0.935	1.01	1.33	3.93	0.519	0.316	0.471	3.08	3.65	1.87	1.36	1.13	1.63	1979
1980	1.10	1.09	1.22	0.927	0.735	5.45	5.85	5.16	3.46	1.88	1.65	1.48	2.50	1980
1981	1.56	1.40	1.04	3.98	9.39	10.6	10.3	7.87	5.09	0.858	0.974	0.953	4.52	1981
1982	0.943	0.988	0.824	13.7	0.770	0.750	1.07	1.29	3.42	2.28	1.82	1.23	2.41	1982
1983	1.16	1.19	1.49	1.39	0.919	2.46	2.63	3.58	3.59	1.59	1.32	1.14	1.87	1983
1984	1.01	1.44	1.50	1.87	4.60	4.68	5.24	8.12	3.69	1.64	1.24	1.06	3.02	1984
1985	1.09	1.03	2.68	4.49	0.273	2.67	4.38	5.15	3.21	1.20	1.29	1.25	2.40	1985
1986	1.21	1.36	3.32	2.00	7.67	5.53	3.99	3.36	3.66	1.64	1.43	1.36	3.05	1986
1987	1.37	1.51	3.46	3.47	6.53	9.03	11.0	5.34	4.09	4.37	2.16	1.32	4.54	1987
1988	1.18	1.49	1.79	3.12	10.7	6.32	5.97	6.50	4.12	2.76	1.70	1.71	3.97	1988
1989	1.52	1.50	2.06	4.39	12.3	12.7	11.3	8.86	3.57	5.77	1.68	1.58	5.64	1989
1990	1.59	0.941	2.70	4.02	12.1	12.5	10.4	6.83	6.43	2.58	1.33	1.19	5.24	1990
MEAN	1.54	1.16	1.17	4.02	2.32	2.08	2.36	2.18	1.87	1.15	2.17	1.69	2.77	MEAN

LOCATION - LAT 50 47 00 N DRAINAGE AREA, 2 630 km²
LONG 105 49 31 W REGULATED SINCE 1958

QU'APPELLE RIVER ABOVE BUFFALO POUND LAKE - STATION NO. 05JG004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1944	---	0.481B ON APR 07	0 B ON MAR 01 *	---	1944
1945	---	0.020 ON MAR 30	0 ON MAR 01	---	1945
1946	---	13.7 ON MAR 24	0 ON MAR 01	---	1946
1947	---	9.85 B ON APR 11	0 B ON MAR 01	---	1947
1948	---	22.3 B ON APR 20	0 ON MAR 01	---	1948
1949	---	2.52 ON AUG 24	0 B ON MAR 01	---	1949
1950	---	34.3 ON APR 15	0 B ON MAR 01	---	1950
1951	---	17.1 ON APR 27	0 B ON MAR 01	---	1951
1952	---	17.0 B ON APR 06	0 B ON MAR 01	---	1952
1953	---	19.8 B ON MAR 30	0 B ON MAR 01	---	1953
1954	---	2.80 ON JUL 12	0 B ON MAR 12	---	1954
1955	---	20.4 A ON APR 04	0 B ON MAR 01	---	1955
1956	---	27.4 B ON APR 14	0 B ON MAR 01	---	1956
1957	20.2 B AT 21:00 CST ON MAR 21	25.2 B ON MAR 22	0 B ON MAR 01	---	1957
1958	25.8 B AT 01:00 CST ON MAR 28	23.2 B ON MAR 28	0 ON JUN 06	---	1958
1959	11.2 B AT 18:00 CST ON MAR 23	7.99 B ON MAR 23	0 B ON MAR 01	---	1959
1960	28.3 B AT 16:00 CST ON APR 05	28.1 B ON APR 05	0.011 ON JUL 23	---	1960
1961	3.57 AT 08:00 CST ON JUL 31	3.40 ON JUL 31	0 B ON MAR 01	---	1961
1962	5.07B AT 12:00 CST ON MAR 27	3.77 B ON MAR 27	0 B ON MAR 01	---	1962
1963	6.37B AT 01:00 CST ON MAR 23	4.93 ON JUL 01	0 B ON MAR 01	---	1963
1964	3.20 AT 15:00 CST ON SEP 02	2.89 ON SEP 02	0 B ON MAR 01	---	1964
1965	21.0 B AT 21:30 CST ON APR 11	19.4 B ON APR 11	0 B ON MAR 01	---	1965
1966	13.2 B AT 20:00 CST ON MAR 17	11.0 B ON MAR 17	0 B ON MAR 01	---	1966
1967	11.6 B AT 09:00 CST ON APR 18	11.2 B ON APR 18	0 B ON MAR 01	---	1967
1968	18.1 B AT 02:30 CST ON NOV 21	11.0 B ON NOV 15	0 ON OCT 10	87 200	1968
1969	77.6 AT 19:30 CST ON APR 10	72.8 ON APR 10	0 B ON FEB 02	88 900	1969
1970	39.1 B AT 01:00 CST ON APR 08	38.2 B ON APR 08	0 B ON MAR 04	57 200	1970
1971	27.1 B AT 07:14 CST ON APR 10	24.6 B ON APR 10	0 ON MAY 09	40 300	1971
1972	9.74 AT 07:05 CST ON MAY 24	9.68 ON MAY 24	0 B ON MAR 20	75 400	1972
1973	8.27 AT 15:17 CST ON APR 04	7.96 ON MAY 09	0 B ON FEB 06	83 500	1973
1974	144 AT 21:18 CST ON APR 20 *	107 ON APR 20 *	0.005B ON FEB 17	94 000	1974
1975	14.6 B AT 01:59 CST ON APR 14	13.3 B ON APR 14	0.002 ON MAY 23	39 000	1975
1976	---	24.6 B ON APR 01	0.011 ON MAY 28	43 300	1976
1977	8.44 AT 17:50 CST ON JUL 29	4.13 ON MAY 26	0.238 ON APR 29	66 000	1977
1978	4.30 AT 17:11 CST ON SEP 10	3.99 ON SEP 10	0.071B ON MAR 01	51 200	1978
1979	26.0 B AT 06:39 CST ON APR 21	18.5 B ON APR 20	0.050B ON APR 06	51 400	1979
1980	8.46 AT 15:09 CST ON JUL 01	8.41 ON JUL 01	0.067 ON APR 25	79 100	1980
1981	16.4 AT 05:32 CST ON JUL 21	13.1 ON JUL 21	0.038B ON OCT 27	143 000	1981
1982	83.6 B AT 07:30 CST ON APR 14	75.6 B ON APR 14	0.032 ON JUN 25	76 000	1982
1983	13.4 B AT 20:57 CST ON MAR 31	12.3 B ON MAR 31	0.099 ON MAY 07	59 100	1983
1984	9.48 AT 08:42 CST ON JUL 31	9.20 ON JUL 31	0.294B ON MAR 19	95 500	1984
1985	28.6 AT 01:41 CST ON APR 03	26.3 ON APR 03	0.074 ON MAY 22	75 600	1985
1986	14.5 B AT 21:11 CST ON MAR 01	12.4 B ON MAR 02	0.586B ON NOV 09	96 300	1986
1987	12.2 AT 11:01 CST ON JUL 04	12.0 ON JUL 23	0.799 ON NOV 17	143 000	1987
1988	12.2 AT 14:47 CST ON MAY 25	12.1 ON MAY 25	0.656B ON OCT 28	125 000	1988
1989	13.7 AT 17:23 CST ON JUN 11	13.4 ON JUN 12	0.218 ON SEP 14	178 000	1989
1990	13.9 AT 16:34 CST ON JUN 11	13.7 ON JUN 11	0.146 ON NOV 23	165 000	1990
				87 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER ABOVE EYEBROW LAKE - STATION NO. 05JG010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	1.16	0.457	0.043	0.033	1.34	0.012	1.94	0.897	---	---	---	1958
1959	---	---	0.674	0.115	0.425	1.13	2.45	3.45	2.14	0.338	---	---	---	1959
MEAN	---	---	0.917	0.286	0.234	0.582	1.90	1.73	2.04	0.618	---	---	---	MEAN

LOCATION - LAT 50 58 50 N LONG 106 17 15 W DRAINAGE AREA, 544 km^2 REGULATED

QU'APPELLE RIVER ABOVE EYEBROW LAKE - STATION NO. 05JG010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	8.78B ON MAR 28 *	0 B ON MAR 16 *	---	1958
1959	---	5.83B ON MAR 24	0.028B ON MAR 01	---	1959
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER AT HYDE - STATION NO. 05JM013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	5.94	49.8	66.6	35.8	25.0	18.0	8.31	4.13	2.44	4.48	26.7	1956
1957	4.46	4.34	6.51	25.8	24.0	10.7	2.98	2.19	1.25	3.77	1.10	0.171	9.60	1957
1958	0.044	0.012	1.24	9.39	1.80	0.037	0.015	0.061	0.077	0.019	0.215	0.025	1.56	1958
1959	0	0.065	0.407	1.66	0.349	0.217	0.265	0.013	0.049	0.177	0.061	0.038	0.389	1959
1960	0.062	0.053	0.075	15.5	7.55	2.80	1.60	0.210	0.047	0.033	0.029	0.017	3.44	1960
1961	0.021	0.019	2.72	1.18	0.235	0.029	0.002	0	0	0.006	0.023	0.028	0.524	1961
1962	0.053	0.021	0.024	5.72	0.318	1.23	0.027	0.010	0.007	0.034	0.036	0.051	0.904	1962
1963	---	---	---	0.168	0.134	0.164	0.592	2.03	0.532	0.074	0.089	0.058	---	1963
1964	0.025	0.024	0.021	5.95	2.92	0.578	0.146	0.038	0.043	0.026	0.083	0.111	1.20	1964
1965	0.100	0.083	0.087	3.91	0.868	2.55	2.83	1.23	0.459	0.427	0.198	0.073	1.54	1965
1966	0.028	0.033	0.922	7.84	3.65	0.859	1.23	0.233	0.016	0.030	0.061	0.042	1.83	1966
1967	0.041	0.040	0.051	11.6	10.4	2.85	0.342	0.007	0	0.026	0.111	0.603	3.14	1967
1968	1.56	1.60	4.61	4.69	1.88	0.679	0.065	0.920	2.42	0.739	1.18	0.864	1.99	1968
1969	0.528	0.461	1.18	28.5	27.3	16.9	7.84	2.42	2.68	4.03	2.80	4.00	11.3	1969
1970	3.43	3.18	2.84	18.8	27.5	28.0	17.6	7.61	3.54	7.23	6.78	5.51	14.1	1970
1971	4.37	3.41	5.99	36.5	32.6	7.50	1.62	0.535	0.583	3.95	4.69	5.55	11.1	1971
1972	3.79	4.14	10.8	15.0	6.89	0.659	0.192	1.45	1.83	2.17	3.41	4.98	4.86	1972
1973	---	---	3.61	2.84	2.76	2.99	3.87	1.16	0.976	0.669	---	---	2.36	1973
1974	---	---	2.33	33.1	68.4	46.7	31.2	24.8	22.1	18.0	---	---	30.8	1974
1975	---	---	6.17	31.1	54.9	31.4	19.8	13.8	13.0	11.9	---	---	22.7	1975
1976	---	---	5.16	82.6	44.8	32.1	21.7	14.4	9.99	9.48	---	---	27.3	1976
1977	---	---	3.04	3.29	3.32	1.90	---	---	---	---	---	---	---	1977
1978	---	---	1.04	8.39	4.73	2.73	1.27	0.239	0.076	0.178	---	---	2.31	1978
1979	---	---	1.13	29.2	31.2	19.8	6.11	1.95	1.77	2.23	---	---	11.6	1979
1980	---	---	2.29	16.0	2.16	0.497	0.541	0.899	0.456	1.90	---	---	3.06	1980
1981	---	---	2.40	1.02	0.807	1.14	4.37	0.812	1.48	1.44	---	---	1.69	1981
1982	---	---	0.694	25.6	28.1	11.9	3.31	2.47	2.85	7.75	---	---	10.3	1982
1983	---	---	7.25	23.9	16.7	7.14	13.6	6.11	4.09	6.91	---	---	10.7	1983
1984	---	---	5.44	3.56	1.58	1.47	1.54	0.260	0.988	1.44	---	---	2.03	1984
1985	---	---	7.90	16.9	2.81	4.47	2.73	2.41	3.90	6.31	---	---	5.89	1985
1986	---	---	6.81	2.87	3.92	0.915	0.938	0.284	0.215	1.11	---	---	2.14	1986
1987	---	---	5.28	5.12	1.48	0.547	0.597	0.283	0.208	0.548	---	---	1.77	1987
1988	---	---	0.869	0.991	0.818	0.258	0.062	0.005	0.131	0.029	---	---	0.395	1988
1989	---	---	1.36	2.10	0.592	0.341	0.308	0.833	2.02	3.38	---	---	1.37	1989
1990	---	---	6.06	21.7	3.08	2.02	3.22	1.52	0.944	1.67	---	---	4.99	1990
MEAN	1.23	1.17	3.30	15.8	13.9	8.00	5.22	3.21	2.56	2.99	1.37	1.56	7.14	MEAN

LOCATION - LAT 50 38 29 N DRAINAGE AREA, 44 100 km²
LONG 102 55 03 W REGULATED

QU'APPELLE RIVER AT HYDE - STATION NO. 05JM013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	131 B ON APR 17	3.09 ON OCT 30	564 000	1956
1957	---	31.7 ON APR 27	0.963 ON SEP 28	203 000	1957
1958	---	19.7 B ON APR 03	0 ON JUN 14 *	33 000	1958
1959	7.33 AT 01:00 CST ON APR 05	6.23 ON APR 04	0 ON MAR 15	8 230	1959
1960	---	28.1 ON APR 11	0.014 ON MAR 05	72 800	1960
1961	17.0 AT 01:00 CST ON MAR 26	15.9 ON MAR 25	0 ON JUL 11	11 100	1961
1962	20.2 AT 03:00 CST ON APR 11	20.0 ON APR 11	0 ON OCT 01	19 100	1962
1963	---	---	---	---	1963
1964	---	19.9 B ON APR 08	0.011 ON AUG 20	25 500	1964
1965	19.2 AT 23:00 CST ON APR 13	18.4 ON APR 14	0.079 ON MAR 01	32 500	1965
1966	---	18.0 B ON APR 01	0.006 ON SEP 16	38 800	1966
1967	---	23.3 B ON APR 18	0 ON AUG 25	66 400	1967
1968	---	16.0 B ON MAR 31	0.037 ON JUL 30	42 200	1968
1969	89.5 AT 02:30 CST ON APR 13	84.1 ON APR 13	0.643 ON SEP 09	239 000	1969
1970	47.6 AT 19:17 CST ON APR 12	46.7 ON APR 12	1.91 ON SEP 14	299 000	1970
1971	89.5 AT 10:19 CST ON APR 11	86.9 ON APR 11	0.280 ON SEP 25	235 000	1971
1972	---	25.2 B ON MAR 25	0.014E ON JUL 16	103 000	1972
1973	10.9 AT 15:42 CST ON JUL 05	10.7 ON JUL 05	0.198 ON OCT 02	50 000	1973
1974	128 AT 00:00 CST ON APR 21	122 ON APR 21	1.95 B ON MAR 16	652 000	1974
1975	99.1 AT 17:48 CST ON APR 20	94.9 ON MAY 02	4.90 B ON MAR 25	481 000	1975
1976	214 AT 15:02 CST ON APR 10 *	206 ON APR 10 *	4.08 B ON MAR 14	579 000	1976
1977	5.38B AT 17:33 CST ON APR 11	4.70 ON MAY 10	---	---	1977
1978	16.2 B AT 19:46 CST ON APR 07	14.9 B ON APR 07	0.010 ON SEP 11	49 000	1978
1979	---	152 B ON APR 23	0.355 ON OCT 16	246 000	1979
1980	54.5 AT 15:00 CST ON APR 08	53.2 ON APR 08	0.243 ON JUN 21	64 700	1980
1981	17.5 AT 19:00 CST ON JUL 16	16.2 ON JUL 16	0.271 ON AUG 28	35 800	1981
1982	109 AT 18:29 CST ON APR 16	96.8 ON APR 17	0.468B ON MAR 09	218 000	1982
1983	68.7 AT 07:51 CST ON APR 23	67.9 ON APR 23	2.95 ON SEP 07	226 000	1983
1984	8.60B AT 08:06 CST ON MAR 30	8.56B ON MAR 30	0.001 ON SEP 04	43 100	1984
1985	37.3 B AT 07:09 CST ON APR 02	35.8 B ON APR 02	0.939 ON AUG 02	125 000	1985
1986	---	16.0 B ON MAR 25	0.058 ON AUG 28	45 300	1986
1987	14.8 B AT 12:59 CST ON MAR 29	14.7 B ON MAR 29	0.001 ON SEP 05	37 400	1987
1988	2.56 AT 18:57 CST ON APR 12	2.22 ON APR 12	0 ON AUG 08	8 350	1988
1989	6.65 AT 15:45 CST ON OCT 30	6.55 ON OCT 30	0.004 ON JUL 31	28 900	1989
1990	91.1 B AT 00:29 CST ON APR 03	82.1 B ON APR 03	0.451 ON SEP 22	106 000	1990
				151 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER AT MARIEVAL - STATION NO. 05JM011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	---	69.4	37.9	24.9	17.4	8.56	5.55	---	---	---	1956
MEAN	---	---	---	---	69.4	37.9	24.9	17.4	8.56	5.55	---	---	---	MEAN

LOCATION - LAT 50 34 50 N LONG 102 38 40 W
DRAINAGE AREA, 45 100 km² REGULATED
DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

QU'APPELLE RIVER AT MARIEVAL - STATION NO. 05JM011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	---	---	1956
				---	MEAN

QU'APPELLE RIVER AT TANTALLON - STATION NO. 05JM003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	0.487	0.470	---	---	---	---	1919
1920	---	---	0.015	15.0	13.1	9.71	4.21	1.88	0.852	0.652	---	---	---	1920
1921	---	---	---	10.9	8.10	4.16	3.61	1.85	1.73	2.45	2.03	---	---	1921
1922	---	---	---	31.4	51.4	31.9	19.6	10.4	8.09	6.11	5.01	---	---	1922
1923	---	---	---	---	40.7	20.9	---	---	---	---	---	---	---	1923
1924	---	---	---	---	18.8	14.1	7.39	3.79	2.00	2.85	---	---	---	1924
1925	---	---	---	55.3	32.0	15.9	7.09	3.95	3.32	2.41	---	---	---	1925
1926	---	---	---	5.38	6.00	4.92	2.16	0.364	0.882	1.18	---	---	---	1926
1927	---	---	---	---	43.3	30.7	16.9	10.4	10.7	10.7	---	---	---	1927
1928	---	---	---	29.2	22.7	20.9	18.7	5.68	3.02	2.47	---	---	---	1928
1929	---	---	---	---	4.02	4.09	1.19	0.199	0.138	0.215	---	---	---	1929
1930	---	---	---	---	8.48	4.63	2.81	0.651	0.262	0.300	---	---	---	1930
1931	---	---	---	---	2.18	0.882	0.247	0.248	---	---	---	---	---	1931
1942	---	---	---	---	---	---	0.357	4.87	3.17	---	---	---	---	1942
1943	---	---	---	29.6	23.9	12.4	5.67	1.84	1.40	0.595	---	---	---	1943
1944	---	---	---	2.24	1.61	4.45	1.13	0.427	1.05	0.786	---	---	---	1944
1945	---	---	---	1.52	1.86	0.836	1.25	0.273	0.241	0.467	---	---	---	1945
1946	---	---	---	8.18	1.57	0.731	4.21	0.228	0.575	0.475	---	---	---	1946
1947	---	---	---	22.0	28.4	18.3	11.1	0.828	1.62	0.935	---	---	---	1947
1948	---	---	---	14.9	39.1	17.9	6.37	0.619	0.164	0.160	---	---	---	1948
1949	---	---	---	2.84	0.609	1.94	0.380	0.280	0.260	0.613	0.699	---	---	1949
1950	---	---	---	6.68	4.01	2.76	2.51	2.19	0.379	0.575	0.484	0.514	---	1950
1951	0.675	0.393	0.892	9.77	10.2	7.73	4.49	0.634	0.578	0.960	0.717	0.701	3.15	1951
1952	0.699	0.665	0.987	15.2	6.45	2.92	1.36	0.340	0.979	0.586	0.547	0.356	2.58	1952
1953	0.320	0.456	1.12	26.5	13.4	17.5	13.7	6.87	4.19	2.62	1.88	2.01	7.55	1953
1954	1.54	1.94	2.52	12.3	15.0	39.7	65.8	29.5	13.9	19.5	13.8	9.73	18.9	1954
1955	7.98	6.59	6.75	67.5	135	65.0	48.3	36.6	26.8	22.3	15.3	9.46	37.5	1955
1956	8.15	7.64	6.44	59.4	86.7	44.1	30.5	21.9	14.3	7.93	6.19	3.95	24.8	1956
1957	4.40	3.88	8.96	32.3	29.9	15.1	2.97	1.85	2.68	4.20	3.90	1.95	9.35	1957
1958	0.334	0.229	0.693	2.70	6.01	0.277	0.557	0.236	0.316	0.326	0.395	0.028	1.02	1958
1959	0.014	0	1.08	0.962	0.429	0.588	0.194	0.004	0.077	0.36	0.329	0.393	0.371	1959
1960	0.285	0.232	0.508	19.4	13.0	3.93	1.27	0.560	0.138	0.057	0.236	0.173	3.31	1960
1961	0.202	0.022	0.079	0.904	0.709	0.391	0.017	0	0	0	0	0	0.194	1961
1962	0	0	0	1.08	0.862	1.52	0.603	0.120	0.007	0	0	0	0.349	1962
1963	0	0	0.624	1.28	1.55	4.21	4.34	3.12	2.14	1.33	0.490	0.074	1.60	1963
1964	0	0	0	6.20	7.69	1.68	0.556	0.187	0.107	0.053	0.111	0.010	1.38	1964
1965	0	0	0	12.0	3.71	3.70	2.42	0.748	0.573	0.566	0.337	0.233	2.02	1965
1966	0.121	0.052	1.43	21.8	5.34	2.69	1.42	0.902	0.135	0.155	0.225	0.100	2.85	1966
1967	0.070	0.064	0.272	15.2	19.0	5.82	0.351	0.139	0.062	0.208	2.69	1.75	3.81	1967
1968	0.332	0.500	2.71	10.1	1.77	0.912	0.319	0.778	0.209	0.159	0.849	0.780	1.61	1968
1969	1.35	1.76	2.19	21.9	30.2	23.6	13.9	1.90	2.98	5.60	5.46	4.05	9.59	1969
1970	3.54	3.69	3.68	16.5	27.0	29.2	21.9	13.4	3.80	8.20	10.1	6.27	12.3	1970
1971	4.02	3.19	5.11	24.2	35.4	19.2	2.81	0.839	2.13	6.55	6.14	4.65	9.54	1971
1972	4.92	4.96	7.86	22.3	5.65	2.04	0.625	1.55	2.13	3.00	2.91	4.29	5.17	1972
1973	6.04	3.23	3.96	1.42	1.63	3.68	3.80	1.57	0.770	1.40	1.74	2.82	2.67	1973
1974	3.05	3.08	2.69	21.8	68.1	60.9	33.3	26.1	23.9	20.7	16.5	11.4	24.4	1974
MEAN	2.00	1.77	2.42	17.3	19.9	13.1	8.46	4.47	3.26	3.36	3.54	2.63	7.75	MEAN

LOCATION - LAT 50 31 58 N LONG 101 50 30 W
DRAINAGE AREA, 49 200 km² REGULATED

QU'APPELLE RIVER AT TANTALLON - STATION NO. 05JM003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	55.8 ON MAY 13	---	---	1922
1923	---	---	---	---	1923
1924	---	---	---	---	1924
1925	---	---	---	---	1925
1926	---	---	---	---	1926
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1929	---	---	---	---	1929
1930	---	---	---	---	1930
1931	---	---	0 ON JUL 22 *	---	1931
1942	---	---	---	---	1942
1943	---	35.4 ON APR 22	---	---	1943
1944	---	6.03B ON APR 09	0 B ON APR 01	---	1944
1945	---	4.70 ON APR 27	---	---	1945
1946	---	31.4 E ON JUL 11	---	---	1946
1947	---	39.6 ON APR 30	---	---	1947
1948	---	62.0 ON MAY 07	---	---	1948
1949	---	6.80B ON APR 06	---	---	1949
1950	---	21.8 B ON APR 18	---	---	1950
1951	---	16.4 ON MAY 04	0.255 ON AUG 20	99 300	1951
1952	---	19.1 B ON APR 07	0.113 ON AUG 18	81 600	1952
1953	---	32.6 ON APR 22	0.283B ON JAN 10	230 000	1953
1954	---	75.0 ON JUL 21	1.27 B ON JAN 28	596 000	1954
1955	---	240 ON MAY 10 *	6.09 B ON FEB 10	1 180 000	1955
1956	---	157 ON APR 24	3.11 B ON DEC 17	784 000	1956
1957	---	37.4 ON APR 17	0.878B ON DEC 31	295 000	1957
1958	---	10.4 ON MAY 03	0 B ON DEC 17	32 100	1958
1959	---	3.37 ON JUN 16	0 B ON JAN 01	11 700	1959
1960	26.5 B AT 16:45 CST ON APR 08	26.2 ON APR 20	0 E ON OCT 28	105 000	1960
1961	---	1.31B ON APR 11	0 B ON FEB 15	6 100	1961
1962	---	2.53A ON JUN 16	0 A ON JAN 01	11 000	1962
1963	9.54 AT 10:30 CST ON JUN 25	8.21 ON JUN 25	0 B ON JAN 01	50 600	1963
1964	---	14.2 B ON APR 11	0 B ON JAN 01	43 800	1964
1965	---	28.9 ON APR 13	0 ON JAN 01	63 600	1965
1966	---	26.7 B ON APR 03	0.028B ON FEB 23	89 800	1966
1967	---	25.9 ON MAY 01	0.003 ON SEP 10	120 000	1967
1968	---	15.3 A ON APR 12	0.062 ON SEP 24	50 800	1968
1969	42.2 AT 21:00 CST ON APR 27	41.9 ON APR 27	0.736B ON JAN 01	302 000	1969
1970	31.4 AT 20:30 CST ON APR 30	30.9 ON APR 30	3.11 ON SEP 11	388 000	1970
1971	42.5 AT 00:00 CST ON APR 28	42.5 ON APR 28	0.450 ON SEP 04	301 000	1971
1972	---	37.4 B ON APR 12	0.391 ON JUL 21	163 000	1972
1973	---	8.95B ON JAN 04	0.362 ON SEP 20	84 400	1973
1974	83.5 AT 14:04 CST ON MAY 23 *	83.3 ON MAY 23	2.29 B ON MAR 26	769 000	1974
				244 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW CRAVEN DAM - STATION NO. 05JK002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	---	---	---	---	---	---	0.020	0.017	---	1926
1927	0.017	0.024	0.291	26.3	16.8	14.7	7.16	4.20	1.95	---	---	---	---	1927
1944	---	---	---	0.678	0.006	0.008	0.012	0.029	0.070	0.003	---	---	---	1944
1945	---	---	0.006	0.200	0.014	0	0.001	0.005	0.005	0.008	---	---	---	1945
1946	---	---	0.666	0.143	0.211	0.483	0.136	0.013	0.365	0.023	---	---	---	1946
1947	---	---	0.057	19.7	2.55	0.155	0.031	0.496	0.016	0.012	---	---	---	1947
1948	---	---	0	11.0	18.2	0.856	0.180	0.217	0.132	0.173	---	---	---	1948
1949	---	---	0.015	1.57	0.524	0.353	0.102	0.074	0.025	0.021	---	---	---	1949
1950	---	---	0.079	3.69	0.372	0.004	0.031	0.009	0.001	0.021	---	---	---	1950
1951	---	---	0	6.74	7.90	0.536	0.253	0.283	0.098	0.040	---	---	---	1951
1952	---	---	0.009	6.13	0.109	0.013	0.226	0.136	0.022	0.003	---	---	---	1952
1953	---	---	0.662	0.630	0	2.36	4.16	0.282	0.039	0.130	---	---	---	1953
1954	---	---	0.202	0.332	0.384	4.12	4.92	5.47	5.89	5.84	---	---	---	1954
1955	4.97	5.15	5.30	21.4	41.6	35.2	30.3	23.2	16.8	13.8	11.9	7.99	18.2	1955
1956	5.90	4.98	5.30	29.1	28.9	23.9	20.7	4.80	1.62	0.807	5.55	5.49	11.4	1956
1957	6.66	5.90	10.1	20.1	13.7	2.45	0.688	0.413	0.975	1.18	0.693	0.462	5.26	1957
1958	0.287	0.346	1.58	5.25	0.712	0.952	0.497	0.193	0.081	0.337	0.090	0.057	0.861	1958
1959	0.057	0.057	0.331	6.20	0.341	0.651	0.725	0.045	0.118	0.115	0.099	0.066	0.728	1959
1960	0.081	0.091	0.773	13.4	1.25	2.51	3.59	1.49	0.156	0.280	0.585	0.459	2.05	1960
1961	0.325	0.245	1.10	4.87	0.541	0.163	0.163	0.130	0.091	0.069	0.063	0.116	0.652	1961
1962	0.075	0.041	0.210	2.52	0.062	0.050	0.164	0.151	0.026	0.021	0.048	0.161	0.292	1962
1963	0.098	0.059	0.183	1.65	0.351	0.888	2.36	0.771	0.325	0.458	0.506	0.272	0.663	1963
1964	0.155	0.221	0.287	1.19	0.998	0.426	0.572	0.133	0.125	0.113	0.151	0.173	0.379	1964
1965	0.149	0.157	0.218	2.47	0.644	2.61	0.393	0.305	0.186	0.046	0.063	0.564	0.647	1965
1966	0.825	0.529	1.85	1.43	0.156	0.563	0.419	0.274	0.197	0.298	0.045	0.052	0.554	1966
1967	0.056	0.042	0.024	13.2	0.956	0.256	0.256	0.291	0.403	2.58	3.91	3.21	2.09	1967
1968	2.56	3.30	3.21	0.154	1.08	1.08	0.851	1.07	0.199	0.082	0.352	0.360	1.19	1968
1969	0.492	1.42	0.410	33.3	17.1	4.55	4.06	3.91	3.19	4.40	4.15	3.37	6.69	1969
1970	3.60	2.09	2.05	23.0	27.2	18.8	5.15	4.01	6.36	7.44	7.51	4.20	9.29	1970
1971	3.88	2.71	4.01	35.4	7.35	0.133	0.195	2.03	1.75	7.69	7.31	5.63	6.49	1971
1972	4.24	2.72	4.91	6.82	0.306	1.40	2.67	3.02	2.50	2.57	3.82	1.93	3.07	1972
1973	1.33	1.86	2.46	3.29	2.93	3.36	2.26	1.97	1.40	3.41	2.80	2.53	2.47	1973
1974	1.84	1.27	1.31	48.1	49.1	36.9	26.7	23.2	19.5	15.0	14.0	10.5	20.7	1974
1975	7.80	5.71	5.17	19.0	37.0	20.1	16.8	13.1	12.1	8.68	7.07	4.59	13.1	1975
1976	3.06	2.70	6.54	60.4	21.3	20.8	17.3	12.5	11.8	9.63	6.53	4.00	14.7	1976
1977	2.33	2.21	2.21	0.458	1.57	2.07	1.65	1.24	0.954	1.10	1.48	1.50	1.56	1977
1978	0.963	0.998	1.35	3.66	0.895	0.453	0.518	0.349	0.214	0.085	1.64	1.84	1.08	1978
1979	1.05	1.20	2.74	14.6	23.9	10.3	3.79	3.18	3.16	4.98	6.06	3.92	6.59	1979
1980	2.69	1.78	1.99	2.42	0.333	1.24	2.23	2.43	1.77	1.79	1.62	1.12	1.78	1980
1981	1.21	1.75	1.57	2.70	2.91	2.97	2.50	1.26	0.844	1.06	1.49	1.45	1.81	1981
1982	1.23	0.920	1.10	27.7	13.5	2.82	3.62	3.23	3.68	10.2	10.2	7.59	7.15	1982
1983	6.31	5.95	6.80	15.5	8.77	2.40	4.74	5.02	5.45	5.30	5.66	4.74	6.38	1983
1984	3.73	4.35	4.80	4.06	3.32	3.41	2.80	2.38	1.43	1.13	0.721	0.670	2.73	1984
1985	0.573	0.677	2.49	1.82	3.66	4.16	3.61	4.06	3.56	3.94	3.98	3.01	2.97	1985
1986	3.53	3.53	1.95	1.42	3.18	2.04	1.53	0.681	0.688	0.507	1.18	3.86	2.00	1986
1987	3.77	3.75	3.97	3.35	1.80	1.95	1.81	1.54	0.205	0.572	1.15	0.921	2.06	1987
1988	0.899	0.792	0.900	1.34	2.43	2.06	1.03	0.809	0.775	1.04	0.922	1.01	1.17	1988
1989	1.23	0.891	1.05	2.67	2.92	4.15	4.54	4.02	1.95	0.855	1.32	1.06	2.23	1989
1990	0.902	0.769	2.04	2.81	2.02	3.17	2.56	1.76	1.17	0.646	0.782	0.857	1.63	1990
MEAN	2.13	1.92	2.01	10.7	7.75	5.09	3.98	2.92	2.38	2.52	3.12	2.43	4.52	MEAN

LOCATION - LAT 50 42 20 N DRAINAGE AREA, 33 700 km²
LONG 104 47 50 W REGULATED

QU'APPELLE RIVER BELOW CRAVEN DAM - STATION NO. 05JK002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	---	---	1926
1927	---	39.9 ON APR 14	---	---	1927
1944	---	---	0 ON MAY 12 *	---	1944
1945	---	---	0 B ON MAR 01	---	1945
1946	---	4.81B ON MAR 25	---	---	1946
1947	---	29.4 ON APR 11	---	---	1947
1948	---	37.9 ON MAY 01	0 B ON MAR 01	---	1948
1949	---	5.95 ON MAY 31	0 B ON MAR 01	---	1949
1950	---	13.3 B ON APR 18	0 B ON MAR 01	---	1950
1951	---	13.1 B ON APR 22	0 B ON MAR 01	---	1951
1952	---	22.5 B ON APR 05	0 B ON MAR 01	---	1952
1953	---	11.5 B ON MAR 31	0 B ON MAR 01	---	1953
1954	---	---	---	---	1954
1955	---	49.0 ON MAY 06	4.76 B ON JAN 01	574 000	1955
1956	---	48.7 ON APR 22	0.609 ON OCT 31	361 000	1956
1957	---	23.0 B ON APR 06	0.283B ON DEC 31	166 000	1957
1958	---	10.3 ON APR 07	0.014 ON SEP 16	27 200	1958
1959	---	18.4 ON APR 26	0.023 ON AUG 18	23 000	1959
1960	---	25.6 ON APR 06	0.048 ON OCT 24	64 700	1960
1961	13.5 AT 07:00 CST ON APR 13	12.9 ON APR 11	0.025B ON NOV 05	20 600	1961
1962	11.4 AT 08:30 CST ON APR 29	11.2 ON APR 28	0 ON OCT 03	9 210	1962
1963	10.0 AT 10:00 CST ON APR 11	9.51 ON APR 11	0.048B ON FEB 09	20 900	1963
1964	---	10.6 ON APR 30	0.085 ON OCT 26	12 000	1964
1965	---	13.2 B ON APR 16	0 ON NOV 02	20 400	1965
1966	9.97B AT 09:30 CST ON MAR 31	9.80B ON MAR 31	0.031 ON NOV 04	17 500	1966
1967	30.3 AT 12:00 CST ON APR 19	30.3 ON APR 20	0.011B ON MAR 10	65 900	1967
1968	10.1 AT 08:00 CST ON MAR 07	8.95 ON MAR 07	0.042 ON OCT 08	37 600	1968
1969	84.7 AT 01:00 CST ON APR 17	82.7 ON APR 17	0.037B ON MAR 25	211 000	1969
1970	36.2 AT 00:30 CST ON APR 12	34.8 ON APR 12	0.187B ON APR 04	293 000	1970
1971	65.1 AT 21:23 CST ON APR 14	64.3 ON APR 14	0.051 ON JUL 13	205 000	1971
1972	12.7 AT 10:32 CST ON APR 13	12.5 ON APR 13	0.130 ON MAY 04	97 100	1972
1973	7.50 AT 01:15 CST ON APR 15	7.14 ON APR 15	0.147 ON APR 20	77 900	1973
1974	142 AT 05:46 CST ON APR 24 *	141 ON APR 24 *	0.779B ON FEB 14	652 000	1974
1975	53.5 AT 15:47 CST ON MAY 02	53.2 ON MAY 03	3.37 B ON APR 09	414 000	1975
1976	90.6 AT 10:37 CST ON APR 08	89.8 ON APR 08	2.21 B ON FEB 02	464 000	1976
1977	6.48 AT 11:40 CST ON MAY 30	5.89 ON MAR 15	0.026 ON MAY 04	49 300	1977
1978	17.1 B AT 05:37 CST ON APR 09	16.9 B ON APR 09	0.040 ON OCT 28	34 000	1978
1979	38.3 AT 09:30 CST ON APR 28	38.3 ON APR 28	0.862B ON FEB 14	208 000	1979
1980	8.34B AT 12:00 CST ON APR 07	7.66B ON APR 07	0.203 ON MAY 08	56 400	1980
1981	6.65 AT 08:50 CST ON APR 03	5.78 ON APR 03	0.429 ON OCT 09	57 200	1981
1982	63.0 AT 14:49 CST ON APR 22	62.1 ON APR 22	0.440B ON MAR 27	226 000	1982
1983	20.1 AT 09:34 CST ON APR 26	19.9 ON APR 17	1.21 ON JUN 04	201 000	1983
1984	5.72B AT 13:03 CST ON MAR 20	5.61B ON MAR 20	0.591B ON DEC 21	86 300	1984
1985	9.75B AT 05:01 CST ON MAR 21	9.12B ON MAR 20	0.304B ON FEB 02	93 800	1985
1986	7.35 AT 11:43 CST ON SEP 02	6.01B ON MAR 04	0.031 ON SEP 28	63 100	1986
1987	5.44 AT 06:57 CST ON APR 04	5.39 ON APR 04	0.120 ON OCT 05	64 800	1987
1988	3.52 AT 10:50 CST ON JUN 01	3.34 ON JUN 04	0.399 ON OCT 01	36 900	1988
1989	7.99 AT 13:19 CST ON NOV 01	5.09 ON JUN 13	0.644B ON MAR 02	70 300	1989
1990	5.33 AT 20:20 CST ON APR 25	4.90 ON APR 25	0.210 ON OCT 18	51 300	1990
				143 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW EYEBROW LAKE - STATION NO. 05JG011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	0.015	0.166	1.86	2.32	2.50	2.17	2.65	0.065	---	---	1.47	1961
1962	---	---	0.016	0.076	0.061	2.26	2.43	2.33	2.37	0.069	---	---	1.20	1962
1963	---	---	0.553	0.799	1.84	2.36	2.12	0.290	2.34	1.70	---	---	1.50	1963
MEAN	---	---	0.195	0.347	1.25	2.31	2.35	1.60	2.45	0.611	---	---	1.39	MEAN

LOCATION - LAT 50 54 30 N LONG 106 08 00 W DRAINAGE AREA, 1 550 km^2 REGULATED

QU'APPELLE RIVER BELOW EYEBROW LAKE - STATION NO. 05JG011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	3.03 ON SEP 18	0B ON MAR 01 *	31 000	1961
1962	---	2.63 ON JUL 15	0B ON MAR 01	25 300	1962
1963	---	4.13 ON MAR 24 *	0E ON MAR 01	31 700	1963
				29 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

QU'APPELLE RIVER BELOW KATEPWA LAKE - STATION NO. 05JL001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	17.3	44.8	40.0	35.0	26.4	---	---	---	---	---	1955
1956	---	---	---	22.9	46.7	28.8	22.2	16.2	6.59	1.61	---	---	---	1956
1966	---	---	---	---	---	---	---	---	0.008	0.002	---	---	---	1966
1967	---	---	0	2.81	12.4	2.98	0.375	0.059	0.009	0.035	0.375	1.42	---	1967
1968	1.67	1.95	2.10	1.53	0.976	0.358	0.644	1.48	1.64	0.456	0.666	0.585	1.42	1968
1969	0.611	1.26	1.14	10.9	30.8	14.7	6.98	2.05	3.31	4.28	2.82	4.76	7.00	1969
1970	3.56	3.50	2.81	9.69	27.4	26.8	17.3	6.34	3.42	6.81	7.25	5.63	10.1	1970
1971	4.68	3.84	4.53	20.6	33.6	3.55	0.829	0.480	0.669	4.41	5.65	6.68	7.48	1971
1972	5.63	4.38	4.79	9.92	3.45	0.226	0.310	1.69	2.00	2.11	4.42	4.28	3.59	1972
1973	3.04	2.40	2.28	2.23	1.80	2.43	2.79	0.761	0.552	1.31	3.27	3.86	2.23	1973
1974	3.83	2.87	2.21	10.2	65.6	42.7	31.9	26.1	23.9	20.1	14.7	12.0	21.5	1974
1975	9.33	7.41	6.14	17.8	46.8	29.7	22.7	14.9	13.7	11.5	8.51	6.15	16.3	1975
1976	5.03	4.54	4.66	49.6	40.3	25.7	22.3	14.5	9.73	9.06	7.94	5.90	16.6	1976
1977	3.81	2.80	2.45	2.34	2.70	1.57	0.849	0.495	0.510	0.326	0.097	0.145	1.50	1977
1978	1.01	1.49	1.92	4.13	4.24	2.31	0.866	0.158	0.093	0.058	1.71	3.47	1.79	1978
1979	2.04	1.50	1.67	9.81	27.9	15.9	4.98	2.02	1.89	3.00	---	---	---	1979
1980	---	---	2.81	6.55	1.62	0.380	0.390	0.630	0.355	2.15	5.61	2.29	---	1980
1981	1.96	1.62	1.68	0.471	0.555	1.52	2.05	0.856	1.49	1.28	2.35	2.29	1.51	1981
1982	1.29	0.641	0.837	11.5	29.0	8.95	1.29	2.42	2.90	7.88	6.33	7.47	6.75	1982
1983	7.34	7.08	7.34	12.9	13.9	5.08	9.52	5.25	4.38	7.25	5.34	4.34	7.49	1983
1984	4.37	5.20	4.79	2.14	1.02	1.58	1.72	0.569	1.20	1.20	1.28	1.38	2.19	1984
1985	1.88	1.97	2.75	7.43	1.80	5.02	2.97	2.72	4.27	6.64	5.77	4.37	3.96	1985
1986	4.26	3.92	4.48	1.63	1.89	0.569	0.931	0.281	0.210	1.28	2.25	2.38	2.00	1986
1987	3.39	2.56	3.12	2.73	1.20	0.342	0.617	0.243	0.579	0.620	2.83	1.94	1.67	1987
1988	1.34	0.808	0.643	0.608	0.562	0.165	0.383	0.320	0.046	0.037	1.13	1.42	0.622	1988
1989	1.58	1.50	1.86	1.39	0.580	0.451	0.634	1.55	2.00	3.59	4.62	2.41	1.85	1989
1990	1.77	1.42	2.83	8.65	1.82	1.89	3.61	1.31	1.02	1.80	2.93	1.59	2.55	1990
MEAN	3.34	2.94	3.04	9.53	17.0	10.1	7.47	4.99	3.33	3.80	4.25	3.77	5.72	MEAN

LOCATION - LAT 50 39 41 N DRAINAGE AREA, 40 600 km²
LONG 103 36 02 W REGULATED

QU'APPELLE RIVER BELOW KATEPWA LAKE - STATION NO. 05JL001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	53.2 ON MAY 24	---	---	1955
1956	---	55.8 ON MAY 12	0 B ON MAR 20 *	---	1956
1966	---	---	0 ON SEP 05	---	1966
1967	---	16.1 ON MAY 18	0 E ON MAR 01	---	1967
1968	6.71 AT 14:30 CST ON MAR 20	6.71 ON MAR 15	0.014E ON OCT 20	45 000	1968
1969	39.6 AT 12:00 CST ON MAY 09	37.9 ON MAY 07	0 ON AUG 17	221 000	1969
1970	37.9 AT 17:20 CST ON MAY 31	34.0 ON JUN 01	1.03 ON SEP 11	318 000	1970
1971	46.4 AT 13:05 CST ON MAY 06	44.7 ON MAY 06	0 ON SEP 16	236 000	1971
1972	11.2 AT 00:34 CST ON APR 27	13.0 ON APR 26	0 ON JUN 12	114 000	1972
1973	8.95 AT 10:39 CST ON JUL 02	7.39 ON JUL 02	0.178 ON SEP 20	70 200	1973
1974	80.7 AT 14:30 CST ON MAY 08 *	79.9 ON MAY 09 *	2.02 ON MAR 12	678 000	1974
1975	55.8 AT 18:42 CST ON APR 30	55.5 ON MAY 01	5.41 ON DEC 22	513 000	1975
1976	75.6 AT 08:11 CST ON APR 10	75.3 ON APR 10	4.05 ON MAR 17	525 000	1976
1977	---	4.81B ON JAN 01	0.037B ON NOV 18	47 300	1977
1978	8.86 AT 13:16 CST ON MAR 31	7.82B ON MAR 31	0.031A ON OCT 27	56 300	1978
1979	33.7 AT 18:55 CST ON JUN 01	32.3 ON MAY 17	1.05 E ON OCT 10	---	1979
1980	15.9 B AT 23:00 CST ON APR 06	15.0 ON APR 07	0.034 ON SEP 20	---	1980
1981	6.03 AT 05:32 CST ON JUL 16	5.35 ON JUN 26	0.193 ON AUG 26	47 600	1981
1982	33.8 AT 12:03 CST ON MAY 10	33.6 ON MAY 10	0.418 ON JUL 14	213 000	1982
1983	25.0 AT 01:20 CST ON APR 20	24.2 ON APR 20	2.45 ON JUN 22	236 000	1983
1984	7.27 AT 10:56 CST ON FEB 05	6.59 ON FEB 05	0.084 ON AUG 23	69 400	1984
1985	15.8 AT 04:28 CST ON APR 03	15.6 ON APR 03	0.988 ON AUG 01	125 000	1985
1986	6.26 AT 06:45 CST ON MAR 18	6.21 ON MAR 18	0.056 ON JUN 29	63 100	1986
1987	---	4.65A ON NOV 04	0.039 ON JUL 02	52 800	1987
1988	1.81 AT 23:05 CST ON MAY 14	1.65B ON JAN 01	0.001 ON OCT 16	19 700	1988
1989	7.45 AT 11:03 CST ON OCT 27	6.74 ON OCT 27	0.192 ON JUN 28	58 200	1989
1990	25.1 AT 12:40 CST ON APR 03	25.0 ON APR 03	0.400 ON AUG 19	80 500	1990
				180 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW LOON CREEK - STATION NO. 05JK007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	5.23	21.7	43.9	30.1	26.6	23.5	---	---	---	---	---	1955
1956	---	---	---	29.6	32.7	23.4	21.2	9.57	2.75	1.71	---	---	---	1956
1968	---	---	---	1.10	0.210	0.955	0.713	1.17	0.245	0.051	---	---	---	1968
1969	---	---	0.581	25.6	22.6	6.22	3.97	3.35	3.02	3.72	---	---	---	1969
1970	---	---	2.87	18.2	28.0	22.9	8.96	4.33	5.41	7.33	7.32	4.32	---	1970
1971	3.70	3.01	3.31	29.6	14.7	0.546	0.202	1.43	1.44	6.09	7.59	6.24	6.48	1971
1972	4.52	3.00	3.91	11.6	2.01	1.41	2.49	1.15	2.53	3.06	3.77	2.36	3.65	1972
1973	1.73	1.75	2.78	2.98	2.84	3.72	2.21	1.99	1.49	2.95	2.33	1.91	2.39	1973
1974	1.83	1.56	1.10	36.7	51.1	37.3	28.2	24.1	20.2	15.0	12.3	8.41	19.9	1974
1975	7.45	5.91	4.89	16.2	41.6	22.1	20.6	13.9	13.9	9.69	7.05	4.73	14.1	1975
1976	4.02	3.02	3.42	55.9	25.6	18.7	19.7	13.2	11.4	9.92	7.42	3.95	14.7	1976
1977	2.56	2.25	2.85	2.15	1.06	2.80	1.82	1.41	0.957	1.18	1.40	1.41	1.82	1977
1978	0.997	0.908	1.12	4.63	1.34	0.501	0.439	0.302	0.234	0.158	1.22	1.63	1.13	1978
1979	1.25	0.994	1.41	7.96	27.0	12.9	4.66	3.16	3.24	4.38	5.90	4.25	6.46	1979
1980	2.48	1.80	1.80	6.76	0.532	0.954	2.07	2.33	1.77	1.91	1.49	0.920	2.06	1980
1981	1.18	1.30	1.39	1.64	3.41	3.01	2.73	1.44	0.870	0.986	1.74	1.10	1.73	1981
1982	0.972	0.791	1.10	17.3	22.0	3.92	3.45	3.08	3.29	7.06	7.30	6.55	6.42	1982
1983	6.13	5.41	5.27	14.4	13.9	3.04	5.40	4.48	4.79	4.85	4.73	4.21	6.39	1983
1984	3.88	3.82	4.17	4.62	2.76	3.29	2.35	1.94	1.62	1.12	0.733	0.433	2.55	1984
1985	0.503	0.137	2.27	5.13	3.39	4.12	3.49	4.15	3.78	4.24	4.06	3.22	3.22	1985
1986	3.11	3.29	3.15	0.766	3.62	1.83	1.72	0.569	0.769	0.371	0.510	2.53	1.85	1986
1987	3.33	3.20	3.31	3.77	2.50	1.79	1.84	1.44	0.188	0.457	1.37	1.05	2.01	1987
1988	0.699	0.772	1.10	1.06	1.83	1.96	0.842	0.715	0.833	0.955	1.01	0.892	1.06	1988
1989	0.924	0.801	1.10	1.86	2.57	3.89	4.43	3.91	1.98	0.721	1.15	0.896	2.03	1989
1990	0.845	0.721	4.24	2.83	2.42	3.01	3.15	1.81	1.14	0.641	0.704	0.631	1.85	1990
MEAN	2.61	2.23	2.71	13.0	14.1	8.89	6.93	5.22	3.66	3.69	3.86	2.94	5.09	MEAN

LOCATION - LAT 50 47 11 N LONG 104 17 21 W DRAINAGE AREA, 36 500 km² REGULATED

QU'APPELLE RIVER BELOW LOON CREEK - STATION NO. 05JK007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	52.1 E ON MAY 06	---	---	1955
1956	---	49.3 ON APR 25	---	---	1956
1968	---	---	0 ON OCT 19 *	---	1968
1969	---	70.2 ON APR 20	---	---	1969
1970	---	33.4 ON APR 22	---	---	1970
1971	62.0 AT 20:00 CST ON APR 19	60.9 ON APR 19	0 ON JUN 17	204 000	1971
1972	22.5 AT 10:30 CST ON APR 12	22.1 ON APR 12	0.697 ON MAY 20	115 000	1972
1973	6.29 AT 23:50 CST ON MAR 28	5.69 ON MAR 31	0.187 ON MAY 08	75 500	1973
1974	165 AT 22:42 CST ON APR 26 *	162 ON APR 26 *	0.467B ON MAR 22	627 000	1974
1975	60.9 AT 10:43 CST ON MAY 09	60.0 ON MAY 09	4.22 B ON APR 10	443 000	1975
1976	73.9 AT 21:27 CST ON APR 09	73.1 ON APR 09	2.78 B ON FEB 24	464 000	1976
1977	4.93 AT 02:25 CST ON MAY 27	4.67B ON MAR 17	0.122 ON MAY 17	57 300	1977
1978	---	13.0 B ON APR 10	0.091 ON OCT 23	35 500	1978
1979	38.5 AT 22:12 CST ON MAY 03	38.5 ON MAY 03	0.610B ON FEB 22	204 000	1979
1980	19.8 B AT 19:55 CST ON APR 06	16.8 B ON APR 07	0.087 ON JUN 02	65 200	1980
1981	6.09 AT 03:09 CST ON MAY 02	5.72 ON MAY 02	0.162 ON APR 26	54 700	1981
1982	51.0 AT 21:50 CST ON APR 25	50.9 ON APR 27	0.357B ON JAN 30	203 000	1982
1983	20.8 AT 11:03 CST ON APR 23	20.8 ON APR 23	2.47 ON JUN 15	201 000	1983
1984	9.00B AT 12:01 CST ON APR 04	8.22B ON APR 04	0.131 ON MAY 20	80 800	1984
1985	16.7 B AT 22:09 CST ON APR 02	14.5 ON APR 03	0.036B ON FEB 20	102 000	1985
1986	4.82 AT 19:22 CST ON MAY 11	4.81 ON MAY 11	0.014 ON OCT 02	58 400	1986
1987	9.62B AT 14:05 CST ON APR 05	9.08B ON APR 05	0.100E ON AUG 25	63 500	1987
1988	3.17 AT 01:39 CST ON MAY 20	2.90 ON JUN 06	0.198 ON APR 30	33 400	1988
1989	6.75 AT 11:25 CST ON MAY 09	5.96 ON MAY 09	0.030 ON MAY 07	63 900	1989
1990	25.8 B AT 05:52 CST ON MAR 31	24.6 B ON MAR 31	0.279 ON OCT 18	58 500	1990
				160 000	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW MOOSE JAW RIVER - STATION NO. 05JG007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0.151	0.165	1.04	0.250	0.055	0.092	0.143	---	---	---	1944
1945	---	---	0.251	0.177	0.029	0.089	0.039	0.004	0.055	0.083	---	---	---	1945
1946	---	---	1.76	1.95	0.239	0.460	0.897	0.561	0.256	0.019	---	---	---	1946
1947	---	---	0.219	14.4	6.53	0.770	1.56	1.12	0.906	0.187	---	---	---	1947
1948	---	---	0.121	14.3	36.8	9.26	4.03	0.577	1.09	2.82	---	---	---	1948
1949	---	---	0.162	1.40	0.178	0.059	0.181	0.115	0.063	0.083	---	---	---	1949
1950	---	---	0.503	7.33	7.33	0.997	0.322	0.203	0.023	0.006	---	---	---	1950
1951	---	---	0	13.7	21.5	4.57	4.99	0.200	2.71	0.438	---	---	---	1951
1952	---	---	0.590	27.4	9.34	0.243	0.455	0.164	0.140	3.75	---	---	---	1952
1953	---	---	0.930	2.10	0.933	32.2	30.2	2.63	0.171	0.084	---	---	---	1953
1954	---	---	0.138	0.211	0.161	2.05	0.791	0.957	7.08	3.97	---	---	---	1954
1955	---	---	0.578	30.8	42.4	10.7	8.48	2.99	0.571	0.169	---	---	---	1955
1956	---	---	3.14	37.9	20.3	2.99	1.87	0.358	0.157	0.165	---	---	---	1956
1957	---	---	1.74	5.90	2.21	0.280	0.139	0.112	0.085	0.112	---	---	---	1957
1958	---	---	1.18	4.99	0.551	0.110	0.094	0.043	0.023	0.005	---	---	---	1958
1959	---	---	0.837	0.366	0.187	0.459	0.336	0.014	0.104	0.706	---	---	---	1959
1960	---	---	4.98	27.3	5.95	2.78	5.19	0.125	0.008	0.059	---	---	---	1960
1961	---	---	2.34	0.775	0.058	0.002	0.004	0	0.002	0.009	---	---	---	1961
1962	---	---	0.815	5.28	0.158	0.484	0.170	0.074	0.013	0.007	---	---	---	1962
1963	---	---	0.770	1.71	0.088	0.941	5.48	1.50	0.073	0.117	---	---	---	1963
1964	---	---	0.118	2.22	0.549	0.384	0.099	0.057	0.026	0	---	---	---	1964
1965	---	---	0	6.61	5.93	8.19	2.69	0.253	0.167	0.012	---	---	---	1965
1966	---	---	5.41	2.39	0.485	0.171	0.268	0.317	0.153	0.005	---	---	---	1966
1967	---	---	0.525	20.3	4.41	0.437	0.291	0.187	2.31	3.72	3.76	3.92	---	1967
1968	4.84	5.57	7.15	3.99	3.02	2.09	1.15	1.47	0.688	0.539	2.19	3.40	3.00	1968
1969	3.58	5.05	1.86	47.6	20.7	3.28	1.89	0.428	0.233	0.998	1.60	2.08	7.40	1969
1970	1.65	4.44	3.85	29.5	37.5	8.34	1.56	0.112	0.031	0.229	1.31	0.982	7.46	1970
1971	0.752	1.09	1.12	35.3	6.49	1.14	0.724	0.223	0.200	0.358	1.01	0.896	4.08	1971
1972	0.813	0.732	5.84	3.97	0.702	1.55	2.81	3.28	0.445	0.154	0.858	0.730	1.83	1972
1973	0.561	0.816	1.15	4.52	5.60	2.75	1.29	2.04	1.42	1.01	0.901	0.642	1.90	1973
1974	0.900	1.03	0.748	82.0	62.4	15.2	0.944	2.99	1.43	0.340	1.23	1.27	14.2	1974
1975	0.780	0.802	0.796	24.2	35.7	2.47	3.00	0.241	0.460	0.487	0.599	0.428	5.86	1975
1976	0.503	0.657	10.5	73.9	11.6	6.75	3.64	1.15	0.164	0.423	0.587	0.651	9.14	1976
1977	0.583	0.787	0.568	0.521	2.90	2.04	1.18	0.585	0.522	0.694	1.16	0.632	0.999	1977
1978	0.461	0.500	1.68	7.26	1.27	0.375	0.494	0.565	0.289	0.431	0.970	0.904	1.26	1978
1979	0.518	0.858	1.77	20.8	28.5	2.90	4.34	0.346	0.512	0.679	0.815	0.675	5.25	1979
1980	0.667	0.637	1.07	3.36	1.11	1.08	2.18	2.34	2.03	1.16	0.901	0.651	1.43	1980
1981	0.783	0.892	1.03	3.60	6.92	7.50	8.64	6.24	1.59	1.02	0.874	0.817	3.35	1981
1982	0.727	0.574	0.909	42.1	16.5	6.11	4.81	2.37	1.12	1.06	0.457	0.596	6.43	1982
1983	0.606	0.625	3.49	28.6	8.34	1.35	0.770	0.490	0.665	0.513	0.634	0.715	3.89	1983
1984	0.627	0.924	1.11	2.05	3.30	3.06	2.26	2.26	1.32	2.27	0.801	0.604	1.72	1984
1985	0.752	0.737	3.29	6.30	3.85	0.998	0.828	0.936	0.825	0.487	0.665	0.894	1.72	1985
1986	0.953	1.15	5.65	2.63	13.4	3.23	3.47	0.733	0.566	1.12	0.821	0.564	2.88	1986
1987	0.608	0.806	1.55	4.67	4.32	5.08	2.40	3.79	2.40	2.44	1.21	0.536	2.91	1987
1988	0.641	0.567	0.714	2.51	4.60	3.50	2.01	2.22	2.56	1.71	0.798	0.594	1.92	1988
1989	0.510	0.448	0.470	3.67	8.26	10.9	9.47	6.21	2.97	3.66	0.529	0.877	4.02	1989
1990	0.766	0.595	0.722	2.95	9.73	11.6	8.85	4.90	3.55	1.03	0.438	0.594	3.83	1990
MEAN	1.03	1.32	1.79	14.2	9.86	3.89	2.99	1.25	0.899	0.864	1.03	1.03	4.19	MEAN

LOCATION - LAT 50 34 40 N DRAINAGE AREA, 12 800 km²
LONG 105 16 00 W REGULATED

QU'APPELLE RIVER BELOW MOOSE JAW RIVER - STATION NO. 05JG007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	4.47 ON JUN 17	0 B ON MAR 01 *	---	1944
1945	---	0.821B ON MAR 22	0 B ON MAR 01	---	1945
1946	---	9.32 B ON MAR 15	0 B ON MAR 01	---	1946
1947	---	22.3 ON APR 15	0 B ON MAR 01	---	1947
1948	---	55.2 ON APR 26	0 B ON MAR 01	---	1948
1949	---	3.14 ON APR 18	0 B ON MAR 01	---	1949
1950	---	21.0 ON APR 25	0 ON SEP 07	---	1950
1951	---	25.5 ON MAY 14	0 B ON MAR 01	---	1951
1952	---	34.5 ON APR 13	0 B ON MAR 01	---	1952
1953	---	57.2 ON JUN 10	0.028B ON MAR 01	---	1953
1954	---	16.2 ON SEP 21	0.057B ON MAR 28	---	1954
1955	62.3 AT 08:00 CST ON MAY 10	60.6 ON MAY 10	0.057B ON MAR 09	---	1955
1956	---	61.7 ON APR 22	0.014B ON MAR 01	---	1956
1957	13.2 B AT 11:00 CST ON APR 09	10.9 B ON APR 08	0.028B ON MAR 01	---	1957
1958	12.4 AT 13:00 CST ON APR 05	12.1 ON APR 06	0 ON SEP 24	---	1958
1959	4.50B AT 17:30 CST ON MAR 15	3.62 B ON MAR 15	0 B ON MAR 01	---	1959
1960	39.1 AT 22:00 CST ON APR 05	38.2 ON APR 05	0 B ON MAR 01	---	1960
1961	---	6.91 B ON MAR 19	0 ON JUN 11	---	1961
1962	15.9 B AT 21:00 CST ON APR 03	14.9 B ON APR 03	0 B ON MAR 01	---	1962
1963	11.4 AT 24:00 CST ON JUL 12	9.91 A ON JUL 20	0.003 ON SEP 08	---	1963
1964	8.18B AT 02:00 CST ON APR 11	7.73 B ON APR 11	0 ON JUL 11	---	1964
1965	17.0 B AT 21:30 CST ON APR 20	17.0 B ON APR 21	0 B ON MAR 01	---	1965
1966	19.3 AT 22:30 CST ON MAR 15	16.8 ON MAR 15	0 B ON MAR 01	---	1966
1967	36.8 AT 07:00 CST ON APR 19	36.8 ON APR 19	0 B ON MAR 01	---	1967
1968	13.0 AT 02:30 CST ON MAR 06	12.1 ON MAR 06	0.025 ON OCT 05	94 900	1968
1969	144 AT 16:30 CST ON APR 13	136 ON APR 13	0 ON SEP 05	233 000	1969
1970	64.8 AT 13:23 CST ON MAY 11	64.3 ON MAY 11	0.001 ON SEP 07	235 000	1970
1971	76.7 B AT 03:26 CST ON APR 13	72.8 B ON APR 13	0.008 ON SEP 14	129 000	1971
1972	21.6 B AT 04:31 CST ON MAR 27	20.7 B ON MAR 27	0 ON SEP 18	57 900	1972
1973	11.0 AT 23:36 CST ON MAY 09	10.5 ON MAY 10	0.408B ON DEC 27	59 800	1973
1974	286 AT 08:54 CST ON APR 21 *	278 ON APR 21 *	0.244 ON OCT 20	448 000	1974
1975	81.0 AT 03:02 CST ON APR 27	79.9 ON APR 27	0.034 ON AUG 31	185 000	1975
1976	102 AT 14:12 CST ON APR 08	99.7 ON APR 07	0.085 ON SEP 30	289 000	1976
1977	14.0 AT 16:30 CST ON MAY 28	12.9 ON MAY 28	0.008 ON SEP 01	31 500	1977
1978	20.6 AT 11:35 CST ON APR 06	20.1 ON APR 06	0.037 ON OCT 11	39 800	1978
1979	71.6 AT 01:54 CST ON APR 27	71.2 ON APR 26	0.061 ON SEP 05	166 000	1979
1980	8.10B AT 23:13 CST ON APR 09	6.62 B ON APR 11	0.500B ON DEC 18	45 300	1980
1981	11.5 AT 14:39 CST ON JUL 19	10.7 ON APR 25	0.659B ON FEB 28	106 000	1981
1982	114 AT 23:13 CST ON APR 19	111 ON APR 20	0.102B ON NOV 20	203 000	1982
1983	57.8 AT 11:04 CST ON APR 10	55.2 ON APR 10	0.217 ON NOV 02	123 000	1983
1984	4.20 AT 23:57 CST ON APR 27	4.09 ON APR 28	0.545B ON DEC 20	54 400	1984
1985	11.4 B AT 19:25 CST ON MAR 29	10.1 B ON MAR 29	0.350 ON OCT 15	54 100	1985
1986	24.4 AT 02:02 CST ON MAY 17	23.7 ON MAY 17	0.324B ON DEC 25	90 900	1986
1987	9.21 AT 20:06 CST ON JUL 23	9.09 ON JUL 23	0.092B ON DEC 10	91 900	1987
1988	6.53 AT 20:49 CST ON JUN 02	6.38 ON JUN 02	0.139 ON NOV 10	60 600	1988
1989	12.3 AT 10:00 CST ON JUN 26	12.0 ON JUN 26	0.031 ON SEP 10	127 000	1989
1990	14.4 AT 00:38 CST ON JUN 06	13.8 ON JUN 06	0.138 ON OCT 31	121 000	1990
				132 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW ROUND LAKE - STATION NO. 05JM008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	56.9	112	62.0	47.3	32.7	---	---	---	---	---	1955
1956	---	---	---	---	81.7	43.9	28.8	19.4	12.4	6.53	---	---	---	1956
MEAN	---	---	---	56.9	96.8	53.0	38.0	26.0	12.4	6.53	---	---	---	MEAN

LOCATION - LAT 50 30 30 N, LONG 102 15 31 W DRAINAGE AREA, 47 100 km^2, REGULATED DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

QU'APPELLE RIVER BELOW ROUND LAKE - STATION NO. 05JM008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	109E ON MAY 09 *	---	---	1955
1956	---	122 ON APR 24	---	---	1956
				---	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER NEAR LUMSDEN - STATION NO. 05JF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	3.54	1.21	0.365	0.907	---	---	0.079	---	1911
1912	0.021	0.010	0.446	11.2	14.8	4.48	2.45	0.966	0.828	0.668	0.471	0.077	3.04	1912
1913	0.031	0.071	1.72	12.1	2.32	1.31	1.33	0.884	0.437	0.259	0.212	0.108	1.73	1913
1914	0.032	0	0.052	2.44	0.941	0.667	0.560	0.214	0.154	0.169	0.124	0.067	0.451	1914
1915	0.022	0.002	0.002	0.254	0.318	0.217	0.167	0.074	0.104	0.264	0.107	0.058	0.133	1915
1916	0.015	0.005	0.005	39.5	15.4	7.01	3.20	1.43	0.946	0.926	0.808	0.192	5.75	1916
1917	0.026	0.020	0.026	31.1	15.9	4.62	2.15	1.02	0.717	0.705	0.500	0.038	4.72	1917
1918	0.002	0.012	8.57	5.57	3.05	1.14	0.306	0.191	0.111	0.184	0.176	0.126	1.63	1918
1919	0.120	0.032	0.042	4.94	1.40	0.220	0.122	0.024	0.035	0.090	0.061	0.021	0.589	1919
1920	0.004	0.001	2.49	12.4	8.87	1.97	0.557	0.211	0.193	0.254	0.143	0.104	2.26	1920
1921	0.003	0.061	0.434	1.23	1.33	0.632	1.88	0.373	0.398	0.536	0.292	0.119	0.612	1921
1922	0.047	0.013	4.21	40.1	17.6	8.24	3.64	1.40	0.727	0.559	0.444	0.225	6.42	1922
1923	0.150	0.084	0.552	14.8	5.45	---	---	---	---	---	---	---	---	1923
1928	---	---	---	15.9	4.56	2.68	2.23	0.706	0.505	0.274	---	---	---	1928
1929	---	---	0.224	0.608	0.376	0.403	0.203	0.061	0.063	0.112	---	---	---	1929
1930	---	---	1.22	9.09	0.788	0.443	0.310	0.184	0.256	0.279	---	---	---	1930
1931	---	---	0.324	1.69	---	---	---	---	---	---	---	---	---	1931
1944	---	---	0	0.531	0.811	1.13	0.541	0.270	0.258	0.276	---	---	---	1944
1945	---	---	0.535	0.741	0.341	0.418	0.276	0.153	0.187	0.343	---	---	---	1945
1946	---	---	3.74	2.21	0.765	0.629	1.25	---	---	---	---	---	---	1946
1947	---	---	0.096	31.9	11.0	2.24	1.70	1.66	1.83	0.417	---	---	---	1947
1948	---	---	0.151	27.6	49.6	14.4	2.00	0.831	0.948	3.54	---	---	---	1948
1949	---	---	0.276	2.69	1.04	0.849	0.445	0.415	0.294	0.340	---	---	---	1949
1950	---	---	0.727	11.3	9.12	1.64	0.886	0.482	0.286	0.371	---	---	---	1950
1951	---	---	0.113	21.3	30.0	6.27	6.13	0.170	3.30	1.30	---	---	---	1951
1952	---	---	0.198	35.6	13.5	0.785	0.752	0.366	0.416	3.17	---	---	---	1952
1953	---	---	1.88	8.63	2.32	25.3	29.6	6.49	1.63	0.873	---	---	---	1953
1954	---	---	0.570	2.91	1.81	5.01	1.84	1.93	7.87	4.76	---	---	---	1954
1955	---	---	0.685	48.9	69.5	19.2	15.6	5.16	1.27	0.620	---	---	---	1955
1956	---	---	2.74	61.5	38.6	5.28	3.40	1.19	0.633	0.700	---	---	---	1956
1957	---	---	6.11	14.6	3.31	0.877	0.547	0.513	0.412	0.454	---	---	---	1957
1958	---	---	1.98	8.06	1.35	0.488	0.418	0.364	0.411	0.474	---	---	---	1958
1959	---	---	1.53	0.725	0.626	0.927	0.525	0.285	0.513	0.858	---	---	---	1959
1960	---	---	4.93	37.4	8.27	6.53	5.80	0.300	0.218	0.334	---	---	---	1960
1961	---	---	2.66	1.54	0.954	0.523	0.429	0.248	0.335	0.235	---	---	---	1961
1962	---	---	0.982	7.53	0.935	1.34	0.768	0.661	0.327	0.589	---	---	---	1962
1963	---	---	1.11	2.15	1.01	1.61	5.73	1.99	0.754	0.786	---	---	---	1963
1964	---	---	0.425	2.68	1.17	1.18	1.62	0.609	0.584	0.443	---	---	---	1964
1965	---	---	0.250	11.7	7.02	13.9	4.88	0.885	0.638	0.217	---	---	---	1965
1966	---	---	8.21	9.30	1.76	0.931	0.374	0.598	0.818	0.539	---	---	---	1966
1967	---	---	0.507	33.3	7.21	1.09	0.560	0.809	2.62	4.10	4.07	4.08	---	1967
1968	5.04	6.45	9.16	5.90	4.00	2.37	1.51	2.55	1.69	1.14	2.87	3.37	3.83	1968
1969	4.04	5.59	3.36	71.3	26.6	4.19	2.69	1.17	1.05	1.16	1.96	1.99	10.4	1969
1970	2.15	4.82	3.37	41.5	46.9	13.6	2.61	0.648	1.28	0.590	1.28	1.13	9.99	1970
1971	1.08	1.20	1.66	61.4	11.4	2.12	1.83	0.675	0.408	0.378	1.50	1.18	7.02	1971
1972	1.14	1.06	0.47	9.35	2.03	2.91	1.30	2.84	1.22	0.580	1.08	0.909	2.91	1972
1973	0.904	1.01	1.51	4.64	6.00	3.89	2.80	1.35	1.98	1.53	1.18	1.61	2.49	1973
1974	1.56	1.34	1.34	127	94.8	24.8	2.82	3.06	2.63	0.820	1.46	1.64	21.9	1974
1975	1.41	0.931	1.34	35.5	69.3	10.4	6.08	1.53	1.79	1.44	0.981	1.07	11.1	1975
1976	1.20	0.991	7.16	117	19.5	20.7	7.45	2.51	1.29	1.07	1.05	1.17	15.0	1976
1977	0.905	1.46	1.57	1.12	3.75	3.14	2.39	1.17	1.00	1.25	1.59	1.16	1.71	1977
1978	0.926	0.680	2.63	12.3	2.96	1.80	1.18	1.30	1.43	0.903	1.59	1.40	2.41	1978
1979	1.24	1.49	3.23	28.1	44.5	5.21	5.86	0.947	0.996	1.25	1.19	1.25	7.98	1979
1980	1.06	1.10	2.43	10.2	1.88	1.75	3.03	2.99	2.84	1.77	1.04	0.970	2.58	1980
1981	1.27	1.51	1.27	4.57	7.94	8.59	10.0	7.39	2.66	2.36	1.47	1.42	4.23	1981
1982	1.10	0.925	1.11	78.3	28.6	8.25	5.95	3.87	2.01	1.99	1.01	1.03	11.1	1982
1983	1.26	1.30	4.00	37.6	13.7	4.11	14.4	3.89	1.87	1.44	1.91	1.02	7.15	1983
1984	1.18	1.74	4.58	5.78	4.24	4.07	2.70	2.90	2.07	3.11	1.74	1.35	2.96	1984
1985	1.10	1.11	5.68	15.7	5.85	2.13	1.47	1.82	1.88	1.64	1.14	1.61	3.43	1985
1986	1.42	1.80	3.64	4.43	19.0	4.84	5.15	1.73	1.87	1.56	1.38	1.20	4.33	1986
1987	1.02	1.35	1.40	7.35	5.92	6.49	9.00	4.84	2.98	3.59	2.11	1.10	4.13	1987
1988	1.01	1.17	1.79	3.64	5.70	3.70	2.24	2.75	3.37	3.17	0.991	1.06	2.55	1988
1989	1.14	0.918	1.31	4.51	9.66	12.2	10.5	7.07	4.36	4.90	1.57	1.03	4.96	1989
1990	1.22	1.17	5.17	7.59	11.1	12.5	10.2	6.06	4.23	1.72	1.03	1.09	5.27	1990
MEAN	1.00	1.18	2.32	20.4	12.9	5.05	3.57	1.66	1.31	1.17	1.15	1.00	5.20	MEAN

LOCATION - LAT 50 39 16 N DRAINAGE AREA, 18 300 km²
LONG 104 51 06 W REGULATED

REMARKS - A DISCHARGE ESTIMATED AT 142 M3/S OCCURRED IN 1904

QU'APPELLE RIVER NEAR LUMSDEN - STATION NO. 05JF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	25.0 ON MAY 17	0.007 ON MAR 07	96 100	1912
1913	---	22.9 ON APR 01	0 B ON JAN 12 *	54 500	1913
1914	---	5.30 ON APR 17	0 B ON FEB 02	14 200	1914
1915	---	0.530 ON APR 13	0 B ON FEB 16	4 190	1915
1916	---	68.2 ON APR 22	0.001B ON MAR 01	102 000	1916
1917	---	59.5 E ON APR 16	0 B ON DEC 24	149 000	1917
1918	---	27.9 ON MAR 22	0 B ON JAN 06	51 500	1918
1919	---	9.32 ON APR 23	0 ON JUL 24	18 600	1919
1920	---	20.3 B ON APR 21	0.001B ON JAN 13	71 600	1920
1921	---	3.40 ON APR 23	0 B ON JAN 12	19 300	1921
1922	---	72.8 B ON APR 07	0 B ON FEB 25	203 000	1922
1923	---	---	---	---	1923
1928	---	41.6 ON APR 02	---	---	1928
1929	---	1.33 ON JUN 17	0 B ON MAR 01	---	1929
1930	---	19.5 B ON APR 05	0.057B ON MAR 01	---	1930
1931	---	---	---	---	1931
1944	---	2.83 ON JUN 18	0 B ON MAR 01	---	1944
1945	---	1.90 B ON MAR 24	0 B ON MAR 01	---	1945
1946	---	13.6 B ON MAR 22	---	---	1946
1947	---	48.1 ON APR 20	0.057B ON MAR 01	---	1947
1948	---	95.7 ON MAY 01	0.142B ON MAR 01	---	1948
1949	---	8.21 ON APR 19	0.113B ON MAR 21	---	1949
1950	---	26.1 ON APR 27	0.170B ON MAR 01	---	1950
1951	---	44.2 ON MAY 04	0.040 ON AUG 22	---	1951
1952	---	44.5 B ON APR 06	0.113B ON MAR 01	---	1952
1953	---	35.7 ON JUL 08	0.057B ON MAR 01	---	1953
1954	---	15.1 ON SEP 23	0.388 ON AUG 20	---	1954
1955	---	91.5 ON MAY 06	0.311B ON MAR 01	---	1955
1956	119 AT 12:00 CST ON APR 21	119 ON APR 21	0.198B ON MAR 01	---	1956
1957	---	26.9 B ON APR 06	0.170B ON MAR 01	---	1957
1958	17.2 AT 10:00 CST ON APR 09	17.1 ON APR 09	0.198B ON MAR 23	---	1958
1959	3.68B AT 16:30 CST ON MAR 18	3.57 B ON MAR 18	0.246 ON AUG 27	---	1959
1960	---	49.8 B ON APR 05	0.057 ON AUG 26	---	1960
1961	11.6 B AT 18:00 CST ON MAR 20	10.7 B ON MAR 21	0.164 ON OCT 14	---	1961
1962	19.9 B AT 11:00 CST ON APR 08	18.6 B ON APR 08	0.023B ON MAR 15	---	1962
1963	10.1 AT 09:00 CST ON JUL 13	9.74 ON JUL 22	0.102B ON MAR 01	---	1963
1964	8.50 AT 09:30 CST ON APR 26	7.31 ON APR 26	0.320B ON MAR 01	---	1964
1965	28.6 B AT 09:00 CST ON APR 16	27.9 B ON APR 15	0.071 ON OCT 28	---	1965
1966	27.4 B AT 12:00 CST ON APR 02	25.8 B ON APR 02	0.028 ON NOV 01	---	1966
1967	---	64.8 ON APR 19	0.235 ON SEP 03	---	1967
1968	20.1 B AT 09:00 CST ON MAR 08	18.9 B ON MAR 07	0.368 ON OCT 07	121 000	1968
1969	193 ON APR 16	187 ON APR 16	0.340B ON OCT 29	327 000	1969
1970	---	63.7 ON MAY 17	0.343 ON OCT 24	315 000	1970
1971	130 AT 22:00 CST ON APR 14	124 ON APR 14	0.082 ON OCT 15	221 000	1971
1972	23.3 B AT 11:00 CST ON MAR 27	23.2 B ON MAR 27	0.258 ON OCT 28	92 200	1972
1973	11.0 AT 18:47 CST ON MAY 11	10.6 ON MAY 11	0.631B ON JAN 08	78 400	1973
1974	442 AT 06:19 CST ON APR 25 *	436 ON APR 25 *	0.532 ON OCT 16	690 000	1974
1975	128 AT 17:50 CST ON MAY 03	127 ON MAY 01	0.371 ON OCT 21	348 000	1975
1976	168 AT 15:55 CST ON APR 08	167 ON APR 08	0.388 ON OCT 06	473 000	1976
1977	14.2 AT 00:30 CST ON MAY 30	12.8 ON MAY 30	0.348 ON OCT 07	53 900	1977
1978	26.8 B AT 21:34 CST ON APR 06	25.9 B ON APR 07	0.130 ON OCT 22	76 200	1978
1979	94.2 AT 08:42 CST ON APR 28	94.1 ON APR 28	0.270 ON SEP 08	252 000	1979
1980	24.4 B AT 06:09 CST ON APR 10	23.5 B ON APR 10	0.543B ON DEC 20	81 500	1980
1981	13.6 AT 02:03 CST ON JUL 21	12.8 ON JUL 21	0.777B ON MAR 22	133 000	1981
1982	219 AT 16:31 CST ON APR 21	210 ON APR 21	0.482B ON MAR 25	351 000	1982
1983	60.1 AT 18:09 CST ON APR 12	56.7 ON APR 17	0.929 ON OCT 26	226 000	1983
1984	18.4 B AT 03:24 CST ON MAR 30	17.7 B ON MAR 30	0.774B ON JAN 12	93 500	1984
1985	33.6 B AT 01:10 CST ON APR 05	32.7 B ON APR 05	0.516B ON NOV 14	108 000	1985
1986	31.8 AT 12:23 CST ON MAY 16	31.6 ON MAY 16	0.896B ON FEB 13	137 000	1986
1987	14.5 AT 04:28 CST ON MAY 29	12.5 ON MAY 29	0.620B ON DEC 26	130 000	1987
1988	10.3 AT 06:02 CST ON APR 18	9.14 ON APR 18	0.611B ON DEC 03	80 800	1988
1989	18.8 AT 14:30 CST ON JUN 27	16.7 ON JUN 27	0.750B ON FEB 07	156 000	1989
1990	15.8 AT 10:55 CST ON JUL 12	15.0 ON JUL 12	0.674B ON NOV 24	166 000	1990
				164 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER NEAR WELBY - STATION NO. 05JM001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1942	---	---	---	---	---	---	0.698	5.37	3.96	---	---	---	---	1942
1943	---	---	---	39.5	27.2	16.2	6.07	2.67	1.90	0.922	---	---	---	1943
1944	---	---	---	3.56	2.11	6.18	2.15	0.798	1.62	1.23	---	---	---	1944
1945	---	---	---	3.71	3.41	2.09	2.11	0.470	0.535	0.762	---	---	---	1945
1946	---	---	---	11.7	2.72	1.34	6.90	0.642	0.854	1.02	---	---	---	1946
1947	---	---	---	28.3	34.8	25.1	15.2	1.97	1.76	1.46	---	---	---	1947
1948	---	---	---	22.6	44.0	18.4	8.16	1.08	0.384	0.583	---	---	---	1948
1949	---	---	---	7.94	1.81	5.14	1.16	0.586	0.433	0.870	1.13	---	---	1949
1950	---	---	---	11.1	6.33	3.93	3.92	2.46	1.03	0.826	0.776	0.493	---	1950
1951	0.610	0.553	0.726	13.6	11.8	8.58	5.28	1.12	0.925	1.58	1.24	0.809	3.92	1951
1952	0.478	0.579	0.798	18.7	7.67	4.07	1.73	0.862	1.30	0.982	0.771	0.534	3.18	1952
1953	0.458	0.600	1.25	27.8	15.0	20.7	14.8	9.53	5.43	4.17	3.42	2.80	8.84	1953
1954	1.87	2.22	2.95	18.4	18.4	47.0	74.1	33.7	16.0	21.0	15.6	10.3	21.9	1954
1955	7.99	7.01	6.80	74.7	141	68.6	51.8	38.3	27.4	---	---	---	---	1955
1974	---	---	3.20	33.7	70.1	61.7	33.1	25.7	23.3	19.9	16.2	12.6	---	1974
1975	9.61	8.61	7.42	30.9	78.5	45.9	22.6	14.7	16.5	14.9	13.0	7.65	22.6	1975
1976	6.46	5.92	5.92	106	70.3	41.9	27.2	16.9	9.06	11.6	9.55	8.26	26.5	1976
1977	5.48	4.11	3.46	2.43	2.89	3.04	2.13	0.784	0.373	2.67	4.84	2.36	2.87	1977
1978	0.923	0.364	0.596	7.45	5.35	4.07	2.59	1.02	0.273	1.96	4.15	1.65	2.54	1978
1979	1.21	1.33	1.51	21.9	54.9	26.9	7.27	3.33	2.39	3.49	5.84	6.58	11.4	1979
1980	5.49	3.70	2.76	11.8	4.09	0.880	0.502	0.321	0.201	3.55	6.88	3.14	3.60	1980
1981	1.75	2.77	2.89	1.22	0.954	0.992	0.191	0.940	1.61	3.72	5.54	3.20	2.14	1981
1982	1.55	1.06	1.63	14.1	28.0	16.4	3.77	3.38	2.04	8.36	8.17	6.40	7.92	1982
1983	7.32	7.07	7.39	23.4	31.0	11.2	8.17	10.1	4.91	8.24	6.99	4.75	10.9	1983
1984	3.90	4.64	6.64	2.20	1.95	1.48	0.993	0.097	0.004	1.36	6.02	2.88	2.67	1984
1985	1.43	0.767	5.44	37.4	6.75	3.94	3.84	2.10	4.47	5.99	8.82	5.74	7.20	1985
1986	4.40	4.33	15.0	6.74	7.53	4.21	2.13	1.53	0.212	3.44	5.49	2.93	4.68	1986
1987	2.31	2.71	3.87	8.52	1.81	1.68	1.45	0.461	1.74	2.44	2.75	2.22	2.65	1987
1988	1.08	1.11	0.962	1.99	1.80	0.923	0.804	0.079	0	0.003	0.304	0.133	0.764	1988
1989	0.129	0.263	1.19	2.29	0.599	0.367	0.297	0.119	0.328	5.49	6.65	3.83	1.80	1989
1990	2.52	1.92	2.72	30.3	4.84	3.60	3.95	2.31	0.797	4.16	5.42	2.45	5.39	1990
MEAN	3.19	2.94	3.87	20.8	22.9	15.2	10.2	5.92	4.25	4.71	6.07	4.16	7.67	MEAN

LOCATION - LAT 50 29 28 N LONG 101 33 28 W DRAINAGE AREA, 50 900 km² REGULATED

QU'APPELLE RIVER NEAR WELBY - STATION NO. 05JM001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1942	---	---	---	---	1942
1943	---	64.8 CN APR 09	---	---	1943
1944	---	10.6 CN JUN 29	0 B CN APR 01 *	---	1944
1945	---	14.2 B CN MAR 28	---	---	1945
1946	---	43.0 B CN MAR 30	---	---	1946
1947	---	56.9 CN JUN 29	---	---	1947
1948	---	78.2 CN APR 24	---	---	1948
1949	---	33.7 B CN APR 10	---	---	1949
1950	---	37.4 CN APR 19	---	---	1950
1951	---	23.2 B CN APR 12	0.530B CN FEB 01	124 000	1951
1952	---	34.5 CN APR 08	0.311B CN JAN 20	101 000	1952
1953	---	52.1 CN APR 05	0.425B CN JAN 01	279 000	1953
1954	---	92.0 CN JUL 01	1.56 B CN JAN 17	692 000	1954
1955	---	251 CN MAY 11 *	---	---	1955
1974	---	99.1 B CN APR 17	---	---	1974
1975	102 AT 14:13 CST CN MAY 06	99.4 CN MAY 07	6.40 B CN MAR 30	713 000	1975
1976	168 AT 00:48 CST CN APR 10 *	167 B CN APR 09	4.64 B CN MAR 01	839 000	1976
1977	7.96 AT 15:13 CST CN NOV 08	7.96 CN NOV 08	0.204 CN AUG 30	90 600	1977
1978	10.3 AT 04:52 CST CN APR 15	10.0 CN APR 15	0.144B CN MAR 16	80 000	1978
1979	82.8 B AT 21:39 CST CN APR 24	80.5 B CN APR 24	1.04 B CN JAN 14	361 000	1979
1980	19.2 AT 16:01 CST CN APR 20	19.0 CN APR 20	0.103 CN AUG 01	114 000	1980
1981	7.66 AT 14:10 CST CN NOV 04	7.44 CN NOV 04	0.033 CN JUL 28	57 300	1981
1982	44.6 B AT 15:56 CST CN APR 16	40.2 B CN APR 16	0.393B CN FEB 09	250 000	1982
1983	95.8 AT 01:06 CST CN APR 24	84.6 CN APR 24	2.94 CN SEP 08	344 000	1983
1984	10.9 B AT 09:05 CST CN MAR 27	10.8 B CN MAR 27	0 CN AUG 24	84 500	1984
1985	83.7 AT 21:51 CST CN APR 04	76.7 B CN APR 04	0.649B CN FEB 11	227 000	1985
1986	41.3 AT 12:40 CST CN MAR 31	39.3 CN MAR 31	0.077 CN SEP 19	148 000	1986
1987	34.3 AT 00:39 CST CN APR 07	30.7 B CN APR 06	0.299 CN AUG 07	83 600	1987
1988	4.65B AT 02:10 CST CN APR 06	4.22B CN APR 05	0 CN AUG 12	24 200	1988
1989	8.19 AT 05:39 CST CN NOV 10	8.18 CN NOV 10	0.010 CN AUG 01	56 800	1989
1990	40.9 AT 23:59 CST ON APR 18	40.9 CN APR 18	0.296 CN SEP 27	170 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		242 000	MEAN

QUILL CREEK NEAR QUILL LAKE - STATION NO. 05MA020

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.133	0.119	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.164	---	---	---	---	---	---	---	---	---	1964
1966	---	---	0.001	1.61	---	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.946	1.09	---	---	---	---	---	---	---	---	1967
1968	---	---	---	0.412	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	1.59	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.97	0.890	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.02	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	0.874	---	---	---	---	---	---	---	---	1972
1973	---	---	0.033	0.008	0	0.128	0.118	0.010	0	0	---	---	0.037	1973
1974	---	---	0	3.21	1.01	0.154	0.008	0.020	0.015	0.016	---	---	0.547	1974
1975	---	---	0	3.78	2.23	0.075	0.006	0	0	0	---	---	0.756	1975
1976	---	---	0	1.76	0.053	0.195	0.092	0.001	0	0	---	---	0.258	1976
1977	---	---	0	0.262	0.069	0.019	0	0	0	0	---	---	0.043	1977
1978	---	---	0.017	1.40	0.046	0	0.013	0	0	0	---	---	0.181	1978
1979	---	---	0	4.15	1.77	0.051	0	0	0	0	---	---	0.739	1979
1980	---	---	0	1.38	0.017	0	0	0	0	0	---	---	0.171	1980
1981	---	0	0.009	0.001	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0	0.173	0	0.014	0	0	0	0	---	---	0.023	1982
1983	---	---	0	0.819	0.089	0	0.112	0.031	0	0	---	---	0.130	1983
1984	---	---	0.323	0.297	0.127	0.166	0.003	0	0	0	---	---	0.114	1984
1985	---	---	0	5.79	0.621	0.004	0.001	0	0	0	---	---	0.788	1985
1986	---	---	0.712	0.397	0.038	0	0.002	0	0	0	---	---	0.144	1986
1987	---	---	0.015	0.721	0	0.001	0	0	0	0	---	---	0.090	1987
1988	---	---	0	3.18	0.095	0	0	0	0	0	---	---	0.400	1988
1989	---	---	0	0.121	0	0	0	0	0	0	---	---	0.015	1989
1990	---	---	0	0.988	0.010	0	0	0	0	0	---	---	0.122	1990
MEAN	---	0	0.062	1.39	0.430	0.045	0.020	0.003	0.001	0.001	---	---	0.253	MEAN

LOCATION - LAT 52 00 11 N LONG 104 14 50 W
DRAINAGE AREA, 273 km²
NATURAL FLOW

QUILL CREEK NEAR QUILL LAKE - STATION NO. 05MA020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	0B ON APR 01 *	---	1972
1973	0.496 AT 16:48 CST ON JUN 06	0.467 ON JUN 06	0B ON MAR 01	783	1973
1974	17.4 B AT 18:20 CST ON APR 20	16.3 ON APR 21	0B ON MAR 01	11 600	1974
1975	22.2 AT 00:09 CST ON APR 29 *	21.2 ON APR 29 *	0B ON MAR 01	16 000	1975
1976	11.3 AT 04:44 CST ON APR 09	9.85 ON APR 09	0B ON MAR 01	5 460	1976
1977	2.49 AT 13:25 CST ON APR 09	1.50 ON APR 09	0B ON MAR 01	914	1977
1978	3.79 B AT 04:44 CST ON APR 09	3.17 B ON APR 09	0B ON MAR 01	3 830	1978
1979	18.4 B AT 04:05 CST ON APR 24	17.4 B ON APR 24	0B ON MAR 01	15 600	1979
1980	6.93 AT 01:52 CST ON APR 14	6.68 ON APR 14	0B ON MAR 01	3 620	1980
1981	0.078 AT 06:48 CST ON MAR 27	0.071 ON MAR 27	0B ON MAR 01	26.9	* 1981
1982	1.61 AT 11:15 CST ON APR 16	0.939B ON APR 16	0B ON MAR 01	484	* 1982
1983	5.75 AT 00:55 CST ON APR 22	5.31 ON APR 22	0B ON MAR 01	2 740	1983
1984	2.79 B AT 12:23 CST ON MAR 28	2.32 B ON MAR 28	0B ON MAR 01	2 410	1984
1985	14.0 B AT 05:50 CST ON APR 11	13.6 ON APR 15	0B ON MAR 01	16 700	1985
1986	5.12 AT 10:42 CST ON MAR 31	4.38 ON MAR 30	0B ON MAR 01	3 040	1986
1987	3.85 AT 09:56 CST ON APR 05	3.49 ON APR 07	0B ON MAR 01	1 910	1987
1988	15.2 AT 21:56 CST ON APR 06	14.2 ON APR 07	0B ON MAR 01	8 460	1988
1989	1.67 B AT 13:26 CST ON APR 04	1.10 B ON APR 05	0B ON MAR 01	313	1989
1990	8.46 B AT 16:14 CST ON APR 03	8.05 B ON APR 03	0B ON MAR 01	2 590	1990
				5 360	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RABBIT CREEK NEAR MAKWA - STATION NO. 06AD005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	2.31	2.51	0.566	0.171	0.423	---	---	---	---	1933
1934	---	---	---	---	0.999	0.504	0.716	0.124	0.012	0.013	---	---	0.396	1934
1935	---	---	---	---	0.737	0.152	0.032	0.003	0.004	0.042	---	---	0.163	1935
1936	---	---	---	---	0.110	0.108	0.040	0	0	0.005	---	---	0.044	1936
1937	---	---	---	---	0.773	0.277	0.093	0.057	0	0	---	---	0.200	1937
1938	---	---	---	---	0.076	0.035	0.018	0.004	0	0	---	---	0.022	1938
1939	---	---	---	---	0.260	0.194	0.152	0.011	---	---	---	---	---	1939
1940	---	---	---	---	0.008	0.012	0.001	0	0	0	---	---	0.003	1940
MEAN	---	---	---	---	0.659	0.474	0.202	0.046	0.063	0.010	---	---	0.138	MEAN

LOCATION - LAT 54 03 29 N LONG 108 51 07 W
DRAINAGE AREA, 290 km²
NATURAL FLOW

RABBIT CREEK NEAR MAKWA - STATION NO. 06AD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	---	---	---	1933
1934	---	2.58 ON MAY 01 *	0.006 ON SEP 07	6 300	1934
1935	---	1.42 ON MAY 01	0 ON AUG 06 *	2 590	1935
1936	---	0.136 ON JUN 18	0 ON JUL 28	697	1936
1937	---	1.19 ON MAY 17	0 ON JUL 03	3 190	1937
1938	---	0.088 ON MAY 10	0 ON JUL 31	352	1938
1939	---	---	0 ON AUG 17	---	1939
1940	---	0.023 ON JUN 01	0 ON JUL 09	53.5	1940
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 200	MEAN

RADOUGA CREEK NEAR BLAINE LAKE - STATION NO. 05GE001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0.047	---	---	---	---	---	---	---	---	---	1964
1965	---	---	0	0.118	0.005	---	---	---	---	---	---	---	---	1965
1966	---	---	0	0.083	0.005	---	---	---	---	---	---	---	---	1966
1967	---	---	0	0.001	0	---	---	---	---	---	---	---	---	1967
1968	---	---	0.002	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	0.649	---	---	---	---	---	---	---	---	---	1969
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	0.087	0.032	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.425	1.24	1.31	0.859	0.442	0.106	0.075	---	---	0.556	1975
1976	---	---	0	0.440	0.207	0.013	0.011	0	0	0	---	---	0.083	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.003	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0.462	0.423	0.105	0.010	0	0	0	---	---	0.124	1979
1980	---	---	0	0.014	0	0	0	0	0	0	---	---	0.002	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0	0.049	0	0	0	0	0	0	---	---	0.006	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0.174	0.500	0.132	0.136	0.081	0.079	0.043	---	---	0.143	1985
1986	---	---	0.049	0.357	0.307	0.078	0.015	0.003	0	0	---	---	0.101	1986
MEAN	---	---	0.003	0.162	0.170	0.137	0.086	0.044	0.015	0.010	---	---	0.085	MEAN

LOCATION - LAT 52 41 37 N DRAINAGE AREA, 1 150 km^2
LONG 106 52 28 W NATURAL FLOW

RADOUGA CREEK NEAR BLAINE LAKE - STATION NO. 05GE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0B ON MAR 01 *	---	1964
1965	---	0.496 ON APR 21	0B ON MAR 01	---	1965
1966	---	0.181 ON APR 07	0B ON MAR 01	---	1966
1967	---	---	0B ON MAR 01	---	1967
1968	---	---	0B ON MAR 01	---	1968
1969	---	2.10 ON APR 15	0B ON MAR 01	---	1969
1972	---	---	0 ON APR 30	---	1972
1974	---	0.283 ON APR 21	0B ON MAR 01	---	1974
1975	---	1.56 ON JUN 05	0B ON MAR 01	11 800	1975
1976	---	1.10 ON APR 11	0B ON MAR 01	1 760	1976
1977	---	0 ON MAR 01	0 ON MAR 01	0	1977
1978	---	0.009 ON APR 05	0B ON MAR 01	7.17	1978
1979	---	2.28 ON APR 26 *	0B ON MAR 01	2 630	1979
1980	---	0.250 ON APR 14	0B ON MAR 01	35.7	1980
1981	---	0.002B ON MAR 17	0B ON MAR 01	0.950	1981
1982	0 B AT 00:01 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1982
1983	---	0.444B ON APR 06	0B ON MAR 01	128	1983
1984	---	0 ON MAR 01	0 ON MAR 01	0	1984
1985	---	1.09 ON APR 28	0B ON MAR 01	3 030	1985
1986	0.835 AT 07:24 CST ON APR 07 *	0.451 ON APR 18	0B ON MAR 01	2 130	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 790	MEAN

RANCH CREEK ABOVE RANCH LAKE - STATION NO. 05MA025

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	0.786	0.146	0.003	0	0	0	0	0	---	---	0.118	1986
1987	---	---	0	0.701	0.017	0.036	0	0	0	0	---	---	0.092	1987
1988	---	---	0	1.98	0.011	0	0	0	0	0	---	---	0.243	1988
1989	---	---	0	0.125	0	0	0	0	0	0	---	---	0.015	1989
1990	---	---	0.503	0.457	0.023	0	0	0	0	0	---	---	0.122	1990
MEAN	---	---	0.258	0.682	0.011	0.007	0	0	0	0	---	---	0.118	MEAN

LOCATION - LAT 52 24 19 N LONG 104 47 19 W DRAINAGE AREA, 170 km² NATURAL FLOW

RANCH CREEK ABOVE RANCH LAKE - STATION NO. 05MA025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1986	5.06B AT 14:30 CST ON MAR 28	4.34 B ON MAR 28	0B ON MAR 01 *	2 490	1986
1987	8.05 AT 15:26 CST ON APR 04	5.28 ON APR 05	0B ON MAR 01	1 950	1987
1988	12.9 AT 11:05 CST ON APR 04 *	11.6 B ON APR 04 *	0B ON MAR 01	5 150	1988
1989	1.55B AT 03:05 CST ON APR 06	0.945B ON APR 06	0B ON MAR 01	323	1989
1990	6.82B AT 03:17 CST ON MAR 30	6.51 B ON MAR 30	0B ON MAR 01	2 590	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 500	MEAN

RANCH CREEK NEAR ANNAHEIM - STATION NO. 05MA013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	---	0	0	---	---	---	1968
1969	---	---	0	0.669	0	0	0	0	0	0	---	---	0.082	1969
1970	---	---	0	0.578	0.017	0	0	0	0	0	---	---	0.073	1970
MEAN	---	---	0	0.624	0.009	0	0	0	0	0	---	---	0.078	MEAN

LOCATION - LAT 52 19 05 N LONG 104 49 57 W DRAINAGE AREA, 40.4 km² NATURAL FLOW

RANCH CREEK NEAR ANNAHEIM - STATION NO. 05MA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	---	---	---	---	1968
1969	---	3.37B ON APR 10 *	0B ON MAR 01 *	1 730	1969
1970	---	2.66 ON APR 13	0B ON MAR 01	1 540	1970
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 640	MEAN

RANCH CREEK NEAR ANNAHEIM - STATION NO. 05MA014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	0.836	0.023	0.016	0.104	0.019	0	0	---	---	0.123	1971
1972	---	---	0	1.64	0.247	0.003	0	0	0	0	---	---	0.232	1972
1973	---	---	0.011	0.007	0.009	0.106	0.002	0	0	0	---	---	0.016	1973
1974	---	---	0	1.35	0.170	0.018	0	0.009	0.007	0.005	---	---	0.192	1974
1975	---	---	0	0.905	0.209	0.014	0	0	0	0	---	---	0.139	1975
1976	---	---	0	0.865	0.008	0.031	0.027	0	0	0	---	---	0.114	1976
1977	---	---	0.003	0.012	0.003	0	0	0	0	0	---	---	0.002	1977
1978	---	---	0.122	0.375	0.008	0.005	0	0	0	0	---	---	0.063	1978
1979	---	---	0	1.45	0.186	0.005	0	0	0	0	---	---	0.202	1979
1980	---	---	0	0.929	0.001	0	0	0	0	0	---	---	0.114	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.010	0.266	0.009	0.004	0.624	0.017	0.004	0.004	---	---	0.118	1982
1983	---	---	0	0.669	0.061	0.031	0.036	0.002	0	0	---	---	0.098	1983
1984	---	---	0.121	0.060	0.014	0.010	0	0	0	0	---	---	0.026	1984
1985	---	---	0	1.97	0.070	0.013	0.001	0	0	0	---	---	0.252	1985
MEAN	---	---	0.018	0.756	0.068	0.017	0.053	0.003	0.001	0.001	---	---	0.113	MEAN

LOCATION - LAT 52 20 45 N LONG 104 48 40 W DRAINAGE AREA, 69.7 km² NATURAL FLOW

RANCH CREEK NEAR ANNAHEIM - STATION NO. 05MA014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	5.78 AT 19:00 CST ON APR 14	5.47 ON APR 14	0B ON MAR 01 *	2 600	1971
1972	9.32 B AT 07:33 CST ON APR 17	7.02 B ON APR 15	0B ON MAR 01	4 920	1972
1973	0.756 AT 20:24 CST ON JUN 04	0.476 ON JUN 05	0B ON MAR 01	349	1973
1974	11.3 AT 00:04 CST ON APR 20 *	8.24 B ON APR 19 *	0B ON MAR 01	4 060	1974
1975	6.65 AT 09:14 CST ON APR 20	4.53 ON APR 20	0B ON MAR 01	2 940	1975
1976	5.24 AT 22:39 CST ON APR 08	5.10 ON APR 09	0B ON MAR 01	2 420	1976
1977	0.278 AT 07:14 CST ON APR 08	0.099 ON APR 08	0B ON MAR 01	46.7	1977
1978	---	2.07 B ON MAR 30	0B ON MAR 01	1 330	1978
1979	8.99 B AT 10:00 CST ON APR 22	6.64 ON APR 24	0B ON MAR 01	4 280	1979
1980	6.35 B AT 10:00 CST ON APR 11	4.51 B ON APR 11	0B ON MAR 01	2 410	1980
1981	0.011 AT 13:45 CST ON MAR 29	0.004 ON MAR 29	0B ON MAR 01	0.605	1981
1982	7.72 AT 04:37 CST ON JUL 15	5.99 ON JUL 15	0B ON MAR 01	2 490	1982
1983	4.72 B AT 09:05 CST ON APR 19	3.67 B ON APR 19	0B ON MAR 01	2 080	1983
1984	1.68 B ON MAR 27	0.828B ON MAR 27	0B ON MAR 01	544	1984
1985	9.39 AT 22:21 CST ON APR 13	7.90 ON APR 13	0B ON MAR 01	5 340	1985
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 390	MEAN

RAPID RIVER AT OUTLET OF LAC LA RONGE - STATION NO. 06CB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	29.2	28.6	27.4	27.9	30.7	36.6	41.8	39.0	36.0	31.9	30.0	29.4	32.4	1959
1960	28.7	28.1	26.9	27.8	31.2	44.3	49.3	47.2	43.3	37.4	34.2	32.7	36.0	1960
1961	32.6	31.7	32.0	32.9	36.0	42.4	39.6	36.1	29.8	26.1	24.5	24.2	32.3	1961
1962	24.0	24.0	24.0	23.1	24.4	31.1	31.4	28.9	24.3	22.3	20.3	19.4	24.7	1962
1963	19.3	19.1	18.7	18.6	19.1	22.3	32.4	35.9	35.2	32.5	29.7	27.3	25.9	1963
1964	26.9	26.8	26.6	26.1	27.7	29.0	26.1	23.9	24.5	25.9	25.1	24.3	26.1	1964
1965	24.9	24.9	25.0	24.7	28.3	33.9	39.1	41.4	39.5	37.7	36.4	36.3	32.7	1965
1966	37.1	36.7	35.3	34.4	33.9	37.0	43.6	47.5	44.9	41.3	36.2	36.3	38.7	1966
1967	36.1	36.1	35.4	34.1	34.3	39.0	44.1	46.0	40.3	41.3	36.2	36.0	38.2	1967
MEAN	28.7	28.4	27.8	27.7	29.5	35.1	38.6	38.4	35.3	32.9	30.3	29.5	31.9	MEAN

LOCATION - LAT 55 19 43 N DRAINAGE AREA, 15 500 km^2
LONG 104 32 38 W REGULATED SINCE 1966

RAPID RIVER AT OUTLET OF LAC LA RONGE - STATION NO. 06CB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	42.5E ON JUL 13	26.6 ON MAR 09	1 020 000	1959
1960	---	49.8 ON JUL 10 *	24.6 ON MAR 27	1 140 000	1960
1961	---	43.6 ON JUN 05	24.1 ON NOV 05	1 020 000	1961
1962	---	34.0E ON JUN 26	19.1 ON DEC 02	779 000	1962
1963	---	36.8 ON AUG 15	18.3 ON APR 29 *	817 000	1963
1964	---	30.6 ON MAY 24	23.2E ON AUG 15	825 000	1964
1965	---	41.9 ON AUG 01	24.4 ON FEB 01	1 030 000	1965
1966	---	48.1E ON AUG 27	33.4 ON MAY 15	1 220 000	1966
1967	---	47.0 ON AUG 06	33.4E ON APR 22	1 210 000	1967
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 010 000	MEAN

RED DEER RIVER NEAR ARCHERWILL - STATION NO. 05LA005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	11.6	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	---	3.52	---	---	---	---	---	---	---	1967
1969	---	---	---	2.21	---	---	---	---	---	---	---	---	---	1969
1972	---	---	---	---	27.1	---	---	---	---	---	---	---	---	1972
1974	---	---	---	6.22	26.2	12.1	---	---	---	---	---	---	---	1974
1975	---	---	0	4.66	23.1	6.68	0.058	0.010	0.005	0.005	---	---	4.32	1975
1976	---	---	0	6.67	7.35	0.442	2.62	0.489	0.032	0.006	---	---	2.20	1976
1977	---	---	0	1.25	1.42	0.219	0.010	0	0.001	0	---	---	0.361	1977
1978	---	---	0	1.20	1.79	1.75	0.426	0.049	0.067	0.043	---	---	0.661	1978
1979	---	---	0	4.01	30.4	5.24	1.97	0.289	0.011	0.006	---	---	5.26	1979
1980	---	---	0	0.910	1.23	0.014	0.009	0.026	0.003	0.116	---	---	0.288	1980
1981	---	---	0.015	0.726	1.02	0.276	0.135	0.025	0.017	0.046	---	---	0.281	1981
1982	---	---	0	0.363	0.379	0.482	0.648	0.324	0.216	0.117	---	---	0.316	1982
1983	---	---	0	0.227	1.55	1.41	1.17	0.355	0.249	0	---	---	0.620	1983
1984	---	---	0.004	1.82	3.14	2.20	1.45	0.160	0.008	0.049	---	---	1.10	1984
1985	---	---	0	9.85	10.5	1.71	0.306	1.03	0.039	0.254	---	---	2.95	1985
1986	---	---	0	3.02	3.18	2.82	0.288	0.007	0.005	0.019	---	---	1.16	1986
1987	---	---	0	1.52	0.286	0.074	0.097	0	0.026	0	---	---	0.247	1987
1988	---	---	0	4.57	2.84	0.896	0.352	0.200	0	0	---	---	1.10	1988
1989	---	---	0	0.003	0.118	0.004	0	0	0	0	---	---	0.016	1989
1990	---	---	0.002	0.558	0.283	0.105	1.52	0	0	0.004	---	---	0.311	1990
MEAN	---	---	0.001	2.77	8.08	2.22	0.691	0.185	0.042	0.042	---	---	1.32	MEAN

LOCATION - LAT 52 26 06 N DRAINAGE AREA, 1 870 km²
LONG 103 41 49 W REGULATED

RED DEER RIVER NEAR ARCHERWILL - STATION NO. 05LA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1972	---	---	---	---	1972
1974	---	---	---	---	1974
1975	---	32.8 ON MAY 05	0B ON MAR 01 *	91 400	1975
1976	---	23.6 ON APR 27	0B ON MAR 01	46 500	1976
1977	---	2.47 ON APR 21	0B ON MAR 01	7 640	1977
1978	6.20 AT 21:07 CST ON MAY 04	5.86 ON APR 26	0B ON MAR 01	14 000	1978
1979	44.2 AT 17:54 CST ON MAY 05 *	43.4 ON MAY 06 *	0B ON MAR 01	111 000	1979
1980	2.21 AT 14:46 CST ON APR 29	2.03 ON APR 29	0B ON MAR 01	6 090	1980
1981	6.32 AT 20:41 CST ON MAY 17	3.78 ON MAY 18	0B ON MAR 01	5 960	1981
1982	9.01 AT 23:38 CST ON JUL 22	5.94 ON JUL 23	0B ON MAR 01	6 680	1982
1983	7.27 AT 23:42 CST ON JUN 05	7.00 ON JUN 06	0B ON MAR 01	13 100	1983
1984	7.20 AT 14:15 CST ON JUN 01	6.27 ON MAY 27	0B ON MAR 01	23 300	1984
1985	25.4 AT 22:40 CST ON APR 20	24.6 ON APR 23	0B ON MAR 01	62 500	1985
1986	12.0 AT 20:22 CST ON APR 19	10.4 ON APR 13	0B ON MAR 01	24 500	1986
1987	5.23 AT 12:23 CST ON APR 21	3.40 ON APR 21	0B ON MAR 01	5 230	1987
1988	8.54 AT 12:46 CST ON APR 18	8.36 ON APR 18	0B ON MAR 01	23 300	1988
1989	3.14 AT 00:09 CST ON MAY 09	1.49 ON MAY 09	0B ON MAR 01	336	1989
1990	7.32 AT 08:51 CST ON APR 13	6.62 ON JUL 11	0B ON MAR 01	6 580	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		28 000	MEAN

RED DEER RIVER NEAR ERMOOD - STATION NO. 05LC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	183	288	78.1	48.2	71.3	51.0	---	---	---	1954
1955	---	---	---	---	232	50.8	14.6	4.20	1.54	2.60	---	---	---	1955
1956	---	---	---	19.0	156	47.0	32.0	7.29	5.04	4.02	---	---	---	1956
1957	---	---	1.42	104	126	24.3	7.54	2.22	3.33	2.56	---	---	---	1957
1958	---	---	0.870	23.0	11.9	6.13	8.09	0.664	3.28	2.23	---	---	---	1958
1959	---	---	0.584	23.7	23.6	12.3	19.8	3.15	9.56	12.3	---	---	---	1959
1960	---	---	1.82	85.3	74.6	42.0	9.63	4.19	0.322	0.833	---	---	---	1960
1961	---	---	2.82	13.2	14.6	2.47	0.141	0.067	0.021	0.253	---	---	---	1961
1962	---	---	0	32.9	34.3	4.59	0.719	0.418	1.76	1.63	---	---	---	1962
1963	---	---	0.221	18.1	6.99	5.21	7.23	2.14	2.77	1.67	---	---	---	1963
1964	---	---	---	---	46.7	3.58	1.91	1.91	9.65	8.48	---	---	---	1964
1965	---	---	0.453	24.3	50.4	121	47.0	14.4	10.4	10.9	---	---	---	1965
1966	---	---	0.816	90.7	79.5	60.8	36.7	13.6	7.21	4.53	---	---	---	1966
1967	---	---	1.53	4.98	132	25.8	3.89	3.17	0.235	0.756	---	---	---	1967
1968	---	---	3.22	19.0	11.4	14.4	24.5	7.44	9.94	5.79	---	---	---	1968
1969	---	---	1.12	59.6	16.3	4.51	2.64	1.92	0.629	9.46	---	---	---	1969
1970	---	---	1.01	34.8	81.4	34.6	50.9	6.33	2.69	6.70	---	---	---	1970
1971	---	---	1.12	75.2	27.9	9.56	10.4	5.52	1.62	11.2	---	---	---	1971
1972	---	---	0.970	105	164	23.2	7.09	2.34	0.987	2.11	---	---	---	1972
1973	---	---	0.248	15.0	20.9	60.7	51.1	9.79	3.40	2.99	2.62	2.26	---	1973
1974	1.34	1.33	1.41	84.2	149	55.8	8.57	6.68	11.8	11.5	4.04	2.50	28.3	1974
1975	2.20	2.20	2.24	51.4	110	50.7	12.7	2.99	5.64	9.89	4.07	1.61	21.4	1975
1976	1.28	1.69	1.33	64.9	25.9	63.0	29.0	5.38	1.21	1.50	0.418	0.096	16.2	1976
1977	0.075	0.033	0.040	8.82	11.8	5.06	2.39	5.21	10.4	7.46	3.90	1.86	4.77	1977
1978	0.770	0.322	0.292	54.0	39.8	11.3	5.37	13.8	11.3	15.9	9.61	2.44	13.8	1978
1979	0.919	0.372	0.458	75.3	177	78.5	10.5	1.95	0.846	1.33	2.52	1.57	29.4	1979
1980	0.710	0.865	0.900	22.6	6.45	1.31	4.60	6.18	6.74	9.00	1.97	0.831	5.18	1980
1981	0.289	0.109	1.89	11.1	9.35	3.62	4.16	2.37	0.670	10.2	6.83	0.514	4.28	1981
1982	0.158	0.070	0.135	20.4	16.4	26.2	4.29	3.20	2.29	3.55	0.861	0.290	6.48	1982
1983	0.842	0.666	0.550	31.5	39.3	41.0	55.2	8.24	11.6	6.97	5.02	2.15	17.0	1983
1984	0.993	1.06	1.37	55.2	78.7	72.2	10.6	1.04	0.692	6.09	4.87	2.63	19.6	1984
1985	1.22	1.03	1.10	93.4	68.5	26.0	9.59	8.51	3.30	7.01	3.07	1.24	18.7	1985
1986	1.13	0.622	1.41	75.4	43.7	16.0	6.33	3.80	1.04	3.54	1.65	1.20	13.0	1986
1987	1.13	1.09	1.39	40.1	10.0	7.89	7.22	2.57	1.80	3.92	3.10	1.02	6.75	1987
1988	0.497	0.668	0.567	68.6	44.7	4.76	2.34	1.96	2.83	2.51	1.89	1.00	11.0	1988
1989	0.420	0.117	0.062	7.37	7.51	4.57	6.77	2.41	5.12	2.34	2.77	1.03	3.38	1989
1990	0.642	0.542	0.747	33.9	29.8	7.91	11.9	0.722	0.107	0.262	0.279	0.114	7.26	1990
MEAN	0.860	0.752	1.03	45.5	63.8	35.6	16.4	5.84	6.03	6.73	3.30	1.35	13.3	MEAN

LOCATION - LAT 52 51 36 N DRAINAGE AREA, 11 000 km²
LONG 102 11 39 W NATURAL FLOW

REMARKS - STATION LOCATED IN SE11-45-02-W2 PRIOR TO AUG 1975

RED DEER RIVER NEAR ERMOOD - STATION NO. 05LC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	479 ON JUN 11 *	---	---	1954
1955	---	476 E ON MAY 08	---	---	1955
1956	---	238 ON MAY 13	---	---	1956
1957	---	368 ON APR 24	0.934 ON AUG 24	---	1957
1958	---	36.5 ON APR 07	0.113B ON MAR 01	---	1958
1959	---	87.2 ON JUN 30	0.283B ON MAR 01	---	1959
1960	---	192 ON APR 21	0.127 ON SEP 24	---	1960
1961	---	25.9 ON APR 22	0.011 ON SEP 15	---	1961
1962	---	184 ON APR 23	0 B ON MAR 01 *	---	1962
1963	---	36.0B ON APR 15	0.142B ON MAR 01	---	1963
1964	---	---	---	---	1964
1965	---	391 ON JUN 05	0.453B ON MAR 01	---	1965
1966	---	345 ON APR 16	0.799B ON MAR 01	---	1966
1967	---	220 ON MAY 07	0 ON SEP 08	---	1967
1968	---	106 ON JUL 02	0.957B ON MAR 20	---	1968
1969	---	163 ON APR 14	0.345 ON AUG 27	---	1969
1970	---	163 A ON MAY 04	1.01 B ON MAR 01	---	1970
1971	---	227 B ON APR 17	0.705 ON SEP 14	---	1971
1972	462 AT 06:55 CST ON APR 27 *	439 ON APR 27	0.374 ON SEP 14	---	1972
1973	116 AT 17:12 CST ON JUL 07	115 ON JUL 07	0.028B ON MAR 01	---	1973
1974	---	314 E ON APR 22	1.16 B ON JAN 16	892 000	1974
1975	265 AT 21:03 CST ON APR 22	206 ON APR 23	0.770B ON DEC 14	675 000	1975
1976	171 AT 08:58 CST ON JUN 26	168 ON JUN 26	0.011B ON NOV 30	513 000	1976
1977	---	21.2B ON APR 20	0.018B ON FEB 11	150 000	1977
1978	178 A AT 19:00 CST ON APR 22	176 A ON APR 22	0.122B ON MAR 20	434 000	1978
1979	311 B AT 22:27 CST ON APR 22	283 ON APR 24	0.275B ON FEB 12	927 000	1979
1980	87.5B AT 00:47 CST ON APR 15	65.3B ON APR 15	0.167B ON DEC 31	164 000	1980
1981	18.9 AT 12:26 CST ON OCT 20	18.8 ON OCT 20	0.036B ON FEB 19	135 000	1981
1982	70.0 AT 11:26 CST ON JUN 02	69.5 ON JUN 02	0.057B ON FEB 28	204 000	1982
1983	177 B AT 05:56 CST ON APR 24	155 B ON APR 24	0.374B ON MAR 19	536 000	1983
1984	181 AT 06:48 CST ON JUN 10	178 ON JUN 10	0.183 ON SEP 06	619 000	1984
1985	192 AT 06:48 CST ON APR 15	176 ON APR 25	0.740B ON MAR 06	589 000	1985
1986	240 AT 19:18 CST ON APR 08	197 ON APR 09	0.092B ON FEB 23	409 000	1986
1987	203 AT 04:19 CST ON APR 08	133 B ON APR 08	0.688B ON MAR 12	213 000	1987
1988	292 AT 23:52 CST ON APR 12	253 ON APR 13	0.156B ON JAN 12	348 000	1988
1989	22.3B AT 15:03 CST ON APR 15	16.5B ON APR 15	0.012B ON FEB 21	107 000	1989
1990	103 B AT 00:05 CST ON APR 06	79.9B ON APR 05	0.059 ON SEP 19	229 000	1990
				420 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR HUDSON BAY - STATION NO. 05LC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	56.4	27.3	14.6	9.06	3.96	---	1913
1914	1.98	1.42	0.850	51.0	85.2	29.8	7.59	2.20	2.25	2.35	1.70	0.708	15.6	1914
1915	0.028	0	0.028	7.80	3.76	4.30	20.1	4.55	2.29	2.25	1.02	0.142	3.89	1915
1916	---	---	---	---	170	181	58.0	26.4	10.5	15.3	12.7	---	---	1916
1917	---	---	---	19.8	150	60.0	47.2	7.39	4.69	2.82	---	---	---	1917
1918	---	---	---	18.4	13.2	33.9	34.2	20.9	5.56	6.69	---	---	---	1918
1919	---	---	---	17.6	36.7	24.7	24.4	14.9	13.7	---	---	---	---	1919
1950	---	---	---	---	---	---	---	20.3	4.27	4.93	---	---	---	1950
1951	---	---	---	---	88.5	30.4	25.7	17.1	36.7	51.2	10.9	---	---	1951
1952	---	---	---	---	63.6	22.5	18.4	8.96	3.17	3.00	3.34	---	---	1952
1953	---	---	---	29.6	61.5	92.1	109	58.3	61.8	13.5	10.1	---	---	1953
MEAN	1.00	0.71	0.439	24.0	74.7	53.2	38.3	21.6	15.7	11.7	6.97	1.60	9.75	MEAN

LOCATION - LAT 52 49 05 N LONG 102 22 07 W
DRAINAGE AREA, 10 900 km²
NATURAL FLOW

RED DEER RIVER NEAR HUDSON BAY - STATION NO. 05LC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	112 ON MAY 11	0.708B ON DEC 01	493 000	1914
1915	---	51.0 ON JUL 18	0 B ON FEB 01 *	123 000	1915
1916	---	---	---	---	1916
1917	---	261 ON MAY 06 *	---	---	1917
1918	---	97.7 ON JUN 30	---	---	1918
1919	---	96.6 ON MAY 17	---	---	1919
1950	---	---	---	---	1950
1951	---	253 ON MAY 02	---	---	1951
1952	---	154 ON MAY 08	---	---	1952
1953	---	237 ON JUN 28	---	---	1953
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		308 000	MEAN

RED DEER RIVER NEAR STEEN - STATION NO. 05LB005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0	4.35	6.39	11.6	9.70	5.63	2.38	1.50	---	---	5.18	1965
1966	---	---	0.180	17.6	20.6	11.3	5.59	3.90	1.92	1.00	---	---	7.73	1966
1967	---	---	0.411	1.99	24.1	7.74	2.26	1.00	0.082	0.056	---	---	4.72	1967
1968	---	---	0.683	5.46	2.46	0.826	0.483	0.495	0.635	0.600	---	---	1.44	1968
1969	---	---	0.079	11.6	6.90	1.89	0.587	0.313	0.075	0.533	---	---	2.73	1969
1970	---	---	0.136	8.54	19.3	7.45	3.33	0.851	0.055	0.080	---	---	4.96	1970
1971	---	---	0.130	6.46	8.02	1.98	7.00	1.08	0.291	0.096	---	---	3.14	1971
1972	---	---	0.212	18.8	45.2	6.32	2.19	0.659	0.183	0.961	---	---	9.33	1972
1973	---	---	0.104	0.554	1.35	8.14	15.9	4.98	0.977	0.458	---	---	4.06	1973
1974	---	---	0.423	19.3	50.1	22.7	2.75	1.26	1.52	1.50	---	---	12.4	1974
1975	---	---	0.589	11.5	43.5	13.4	1.71	0.225	0.044	0.462	---	---	8.93	1975
1976	---	---	0.135	16.7	12.5	3.45	5.84	1.50	0.116	0.121	---	---	5.03	1976
1977	---	---	0.001	3.17	2.47	1.71	0.403	0.199	0.153	0.154	---	---	1.02	1977
1978	---	---	0.078	6.47	5.96	2.40	1.07	0.352	0.159	0.293	---	---	2.09	1978
1979	---	---	0.133	8.17	46.9	14.2	3.41	0.710	0.508	0.139	---	---	9.30	1979
1980	---	---	0.072	3.42	2.92	0.460	0.330	0.024	0.029	0.070	---	---	0.911	1980
1981	---	---	0.263	1.03	1.85	0.830	0.108	0.067	0.078	0.192	---	---	0.551	1981
1982	---	---	0.029	1.95	2.67	1.96	0.654	0.144	0.427	0.112	---	---	1.23	1982
1983	---	---	0.140	2.75	4.84	1.96	2.11	0.831	0.135	0.163	---	---	1.62	1983
1984	---	---	0.182	4.56	6.74	8.17	2.49	0.283	0.179	0.108	---	---	2.82	1984
1985	---	---	0.088	22.9	22.9	4.58	0.858	0.648	0.337	0.473	---	---	6.56	1985
1986	---	---	0.177	10.5	5.93	3.67	0.429	0.115	0.035	0.084	---	---	2.59	1986
1987	---	---	0.132	5.80	1.51	0.203	0.201	0.019	0.024	0.108	---	---	0.987	1987
1988	---	---	0.279	12.0	6.17	1.25	0.597	0.399	0.032	0.166	---	---	2.59	1988
1989	---	---	0	0.147	0.113	0.037	0.022	0.015	0.061	0	---	---	0.049	1989
1990	---	---	0.019	2.54	1.82	0.773	1.87	0.006	0	0	---	---	0.876	1990
MEAN	---	---	0.180	8.09	13.6	5.35	2.77	0.989	0.401	0.363	---	---	3.96	MEAN

LOCATION - LAT 52 39 16 N LONG 103 30 56 W
DRAINAGE AREA, 3 800 km²
REGULATED

RED DEER RIVER NEAR STEEN - STATION NO. 05LB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	19.9 ON JUN 29	0 B ON MAR 01 *	110 000	1965
1966	---	42.8 B ON APR 16	0.147B ON MAR 01	164 000	1966
1967	---	42.5 B ON MAY 06	0 E ON SEP 04	100 000	1967
1968	---	11.8 B ON APR 14	0.057B ON MAR 01	30 600	1968
1969	---	26.2 B ON APR 12	0.008 ON SEP 16	57 800	1969
1970	---	30.3 B ON APR 24	0 ON SEP 12	105 000	1970
1971	---	19.5 ON JUL 26	0.014 ON OCT 30	66 400	1971
1972	102 AT 16:59 CST ON APR 28 *	102 ON APR 28 *	0 ON SEP 13	198 000	1972
1973	---	29.7 ON JUL 05	0.093B ON MAR 01	86 000	1973
1974	---	72.2 ON MAY 02	0.323B ON APR 08	263 000	1974
1975	64.6 AT 09:20 CST ON APR 30	64.3 ON MAY 03	0 ON AUG 26	189 000	1975
1976	32.3 AT 18:00 CST ON APR 29	31.7 ON APR 29	0.051E ON SEP 17	106 000	1976
1977	---	5.24 B ON APR 14	0 B ON MAR 01	21 700	1977
1978	18.9 B AT 06:41 CST ON APR 22	17.5 ON APR 25	0 ON SEP 09	44 200	1978
1979	66.3 AT 20:25 CST ON MAY 04	66.2 ON MAY 05	0.005 ON SEP 29	197 000	1979
1980	6.87 AT 23:00 CST ON APR 23	6.74 ON APR 26	0 ON AUG 03	19 300	1980
1981	6.65 AT 05:27 CST ON MAY 19	5.41 ON MAY 19	0.010E ON JUL 10	11 700	1981
1982	12.2 B AT 10:15 CST ON APR 19	9.93 B ON APR 20	0 ON OCT 08	26 100	1982
1983	12.4 B AT 15:44 CST ON APR 24	10.5 B ON APR 24	0.047 ON SEP 18	34 200	1983
1984	13.7 AT 21:04 CST ON JUN 16	13.5 ON MAY 29	0.026 ON OCT 15	59 700	1984
1985	58.1 AT 07:29 CST ON APR 25	57.9 ON APR 25	0.008B ON MAR 01	139 000	1985
1986	24.5 B AT 14:46 CST ON APR 08	21.3 E ON APR 13	0 ON SEP 10	54 900	1986
1987	10.1 B AT 10:18 CST ON APR 13	8.86 B ON APR 12	0.001 ON AUG 09	20 900	1987
1988	21.7 AT 07:50 CST ON APR 17	21.6 ON APR 17	0 ON SEP 15	54 800	1988
1989	---	0.766 ON MAY 11	0 B ON MAR 01	1 040	1989
1990	5.95 AT 18:07 CST ON JUL 13	5.25 B ON APR 14	0 E ON AUG 10	18 500	1990
				83 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

REINDEER RIVER ABOVE DEVIL RAPIDS - STATION NO. 06DD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	69.9	114	166	237	390	473	---	1985
1986	544	560	534	434	374	133	157	62.5	185	295	403	449	343	1986
1987	462	497	478	434	214	236	262	332	378	451	540	554	402	1987
1988	586	554	527	406	400	398	302	461	429	378	379	380	433	1988
1989	407	478	422	355	320	190	303	275	350	372	476	489	369	1989
1990	490	490	519	409	278	173	267	270	267	272	359	480	356	1990
MEAN	498	516	496	408	317	226	227	252	296	334	425	471	381	MEAN

LOCATION - LAT 56 11 35 N DRAINAGE AREA, 63 300 km^2
LONG 103 09 31 W REGULATED SINCE 1938

REINDEER RIVER ABOVE DEVIL RAPIDS - STATION NO. 06DD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	---	---	1985
1986	570 AT 15:54 CST ON FEB 04	568 ON FEB 03	47.2 ON SEP 03 *	10 800 000	1986
1987	584 AT 23:59 CST ON DEC 31	575 ON DEC 31	147 ON MAY 26	12 700 000	1987
1988	604 AT 04:57 CST ON JAN 16 *	603 ON JAN 16 *	171 ON JUL 12	13 700 000	1988
1989	501 AT 16:07 CST ON DEC 28	500 ON DEC 28	185 ON JUN 12	11 600 000	1989
1990	538 AT 20:55 CST ON MAR 11	537 ON MAR 11	139 ON JUN 20	11 200 000	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 000 000	MEAN

REINDEER RIVER AT OUTLET OF REINDEER LAKE - STATION NO. 06DB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1938	---	---	---	---	---	---	---	---	---	189	220	229	---	1938
1939	246	241	235	233	207	297	309	429	449	407	375	361	316	1939
1940	347	331	305	286	264	289	265	257	242	268	281	245	281	1940
1941	250	248	241	234	197	206	182	226	213	236	240	248	226	1941
1942	266	267	268	247	245	203	147	191	247	322	296	311	251	1942
1943	308	328	337	308	238	189	161	166	206	234	218	221	242	1943
1944	232	253	251	201	178	146	173	152	197	347	307	305	229	1944
1945	300	293	287	286	294	289	292	293	295	294	295	296	293	1945
1946	291	286	279	294	288	298	307	548	845	270	227	274	351	1946
1947	273	270	267	265	232	633	805	289	232	83.1	219	346	326	1947
1948	437	429	414	405	404	661	771	481	289	291	292	292	431	1948
1949	290	288	284	282	290	309	718	788	721	421	412	413	436	1949
1950	408	403	394	387	393	415	417	416	364	295	296	297	374	1950
1951	296	311	311	306	313	329	419	421	414	313	306	302	337	1951
1952	303	340	334	288	271	264	135	120	122	144	214	215	229	1952
1953	247	262	274	297	299	300	300	300	299	301	301	301	290	1953
1954	300	297	295	291	291	298	322	512	395	293	291	250	320	1954
1955	209	223	291	289	125	217	219	219	217	398	414	408	269	1955
1956	401	395	387	379	260	220	171	130	176	170	187	206	256	1956
1957	228	233	230	196	112	0	0	22.5	134	202	218	288	155	1957
1958	286	283	280	277	282	289	293	292	293	294	293	293	288	1958
1959	291	288	284	280	281	422	508	502	496	454	280	280	364	1959
1960	278	275	271	211	221	390	689	641	618	446	299	273	385	1960
1961	226	291	288	287	291	285	216	218	261	277	300	364	275	1961
1962	401	413	408	401	341	306	317	380	375	344	315	353	362	1962
1963	391	436	425	415	265	272	219	232	284	309	367	371	331	1963
1964	416	413	446	416	328	213	241	295	416	385	384	383	361	1964
1965	380	416	421	413	285	279	283	284	284	282	283	282	324	1965
1966	330	344	413	353	322	288	256	257	257	331	285	294	311	1966
1967	395	400	394	386	306	259	275	247	214	286	427	443	335	1967
1968	502	551	522	504	420	398	373	401	384	376	389	440	438	1968
1969	480	462	450	439	351	303	323	361	309	270	347	399	374	1969
1970	444	441	456	455	395	290	48.4	0	0	24.6	63.2	142	229	1970
1971	152	30.0	31.5	32.9	36.1	43.6	401	507	391	329	346	428	249	1971
1972	466	479	477	475	325	305	312	312	313	312	327	427	377	1972
1973	475	483	500	487	391	192	156	159	159	158	161	161	289	1973
1974	194	256	310	334	222	377	247	286	328	216	218	220	267	1974
1975	271	363	380	468	443	323	335	437	432	324	214	283	356	1975
1976	367	382	406	314	265	261	217	305	661	527	434	433	389	1976
1977	483	513	502	434	352	725	859	848	543	426	427	473	549	1977
1978	538	525	484	455	391	292	207	213	403	542	433	431	409	1978
1979	460	493	482	470	460	291	148	127	228	308	308	385	346	1979
1980	421	475	482	435	314	403	411	449	397	390	388	447	417	1980
1981	443	432	422	374	275	210	199	263	372	424	434	420	355	1981
1982	403	383	333	254	119	20.5	0	35.8	70.4	164	376	449	216	1982
1983	436	423	410	332	145	32.5	0	61.6	278	301	382	435	269	1983
1984	463	486	489	380	362	354	291	184	194	314	385	419	360	1984
1985	434	446	362	323	118	84.4	3.87	67.5	131	194	324	394	239	1985
1986	444	440	425	347	266	84.2	104	19.3	169	246	350	388	273	1986
1987	396	425	413	375	158	192	216	289	326	403	505	527	351	1987
MEAN	353	362	360	339	278	281	291	299	319	305	313	337	320	MEAN

LOCATION - LAT 56 14 00 N
LONG 103 09 00 W

DRAINAGE AREA, 60 500 km²
REGULATED SINCE 1929

DATA CONTRIBUTED BY - CHURCHILL RIVER POWER COMPANY

REINDEER RIVER AT OUTLET OF REINDEER LAKE - STATION NO. 06DB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1938	---	---	---	---	1938
1939	---	558 ON SEP 03	175 ON MAY 08	9 970 000	1939
1940	---	371 ON FEB 26	217 ON JUL 30	8 900 000	1940
1941	---	467 ON AUG 10	161 ON MAY 19	7 140 000	1941
1942	---	371 ON NOV 14	143 ON JUL 08	7 900 000	1942
1943	---	348 ON MAR 19	109 ON AUG 01	7 640 000	1943
1944	---	399 ON OCT 06	116 ON JUN 09	7 230 000	1944
1945	---	326 ON SEP 23	269 ON AUG 19	9 230 000	1945
1946	---	923 ON AUG 28 *	222 ON NOV 12	11 100 000	1946
1947	---	867 ON JUN 24	74.8 ON OCT 12	10 300 000	1947
1948	---	818 ON JUN 17	283 ON SEP 16	13 600 000	1948
1949	---	807 ON JUL 17	280 ON APR 02	13 700 000	1949
1950	---	422 ON JUL 10	286 ON SEP 23	11 800 000	1950
1951	---	428 ON AUG 19	294 ON JAN 11	10 600 000	1951
1952	---	343 ON JAN 29	115 ON JUL 08	7 230 000	1952
1953	---	306 ON JUL 22	215 ON JAN 01	9 140 000	1953
1954	---	725 ON JUL 31	208 ON DEC 17	10 100 000	1954
1955	---	428 ON OCT 10	0 ON MAY 10 *	8 490 000	1955
1956	---	405 ON JAN 01	79.6E ON AUG 14	8 110 000	1956
1957	---	289 ON NOV 30	0 ON MAY 28	4 880 000	1957
1958	---	303 ON SEP 13	276 ON APR 11	9 080 000	1958
1959	---	518 ON JUL 29	271 ON OCT 30	11 500 000	1959
1960	---	719 ON JUL 07	198 E ON APR 06	12 200 000	1960
1961	---	371 ON DEC 05	212 ON JUL 09	8 670 000	1961
1962	---	422 ON JAN 14	286 ON MAY 16	11 400 000	1962
1963	---	442 ON JAN 25	205 ON JUL 07	10 400 000	1963
1964	---	493 ON SEP 20	204 ON JUN 10	11 400 000	1964
1965	---	428 ON FEB 07	268 ON MAY 04	10 200 000	1965
1966	---	416 ON FEB 26	247 ON JUN 16	9 800 000	1966
1967	---	487 ON DEC 29	210 ON SEP 22	10 600 000	1967
1968	---	561 ON FEB 03	362 ON OCT 04	13 800 000	1968
1969	---	484 ON JAN 01	251 ON OCT 12	11 800 000	1969
1970	---	470 ON APR 16	0 ON JUL 25	7 210 000	1970
1971	---	648 ON JUL 23	29.2 ON JAN 31	7 220 000	1971
1972	---	498 ON JAN 16	292 ON MAY 10	11 900 000	1972
1973	---	510 ON FEB 23	73.9 ON JUN 13	9 120 000	1973
1974	---	428 ON JUN 06	161 ON JAN 01	8 420 000	1974
1975	---	476 ON MAR 28	212 ON NOV 12	11 200 000	1975
1976	---	665 ON SEP 20	212 ON JUL 03	12 300 000	1976
1977	---	875 ON JUL 27	325 ON MAY 05	17 300 000	1977
1978	---	654 ON SEP 22	202 ON JUN 15	12 900 000	1978
1979	---	503 ON JAN 19	122 ON JUL 11	10 900 000	1979
1980	---	500 ON FEB 09	266 ON APR 29	13 200 000	1980
1981	---	474 ON NOV 15	183 ON MAY 29	11 200 000	1981
1982	---	459 ON NOV 28	0 ON JUN 19	6 820 000	1982
1983	---	444 ON DEC 06	0 ON JUN 14	8 470 000	1983
1984	---	507 ON JAN 25	182 ON AUG 09	11 400 000	1984
1985	---	465 ON FEB 14	0 ON JUL 03	7 530 000	1985
1986	---	495 ON SEP 25	18.0 ON JUL 30	8 600 000	1986
1987	---	545 ON NOV 19	103 ON MAY 15	11 100 000	1987
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 100 000	MEAN

RICHARDSON DITCH NEAR CONSUL - STATION NO. 11AB058

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0	0	0	0	0	---	---	0	1912
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0.001	---	---	0.007	1918
1919	---	---	0	0	0.056	0.035	0.021	0	---	---	---	---	---	1919
1920	---	---	0	0	0.013	0.025	0.032	0	0	0	---	---	0.009	1920
1921	---	---	0	0	0	---	---	---	0	0	---	---	---	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1933	---	---	0	0	0	0	0	0	0	0	---	---	0	1933
1935	---	---	0	0	0	0	0	0	0	0	---	---	0	1935
1946	---	---	0	0	0.031	0.142	0.059	0.020	0	0	---	---	0.031	1946
1947	---	---	0	0	0	0.152	0.122	0.002	0	0	---	---	0.034	1947
1948	---	---	0	0	0	0	0.257	0	0	0	---	---	0.032	1948
1949	---	---	0	0.094	0.494	0.318	0.257	0.018	0	0	---	---	0.148	1949
1950	---	---	0	0	0.033	0.107	0.241	0.021	0	0	---	---	0.050	1950
1951	---	---	0	0	0	0.064	0.139	0.116	0	0	---	---	0.040	1951
1952	---	---	0	0	0	0.083	0.094	0.087	0	0	---	---	0.033	1952
1953	---	---	0	0	0	0.006	0.319	0.143	0.006	0	---	---	0.060	1953
1954	---	---	0	0	0.012	0.272	0.204	0.205	0	0	---	---	0.087	1954
1955	---	---	0	0	0.004	0.302	0.061	0.229	0.034	0.001	---	---	0.078	1955
1956	---	---	0	0	0.035	0.560	0.143	0.244	0.001	0.023	---	---	0.125	1956
1957	---	---	0	0.029	0.407	0.066	0.420	0.228	0.001	0	---	---	0.145	1957
1958	---	---	0	0	0.331	0.358	0.336	0.227	0	0	---	---	0.160	1958
1959	---	---	0	0	0.357	0.086	0.281	0.234	0	0	---	---	0.121	1959
1960	---	---	0	0.003	0.203	0.267	0.531	0.087	0	0.005	---	---	0.137	1960
1961	---	---	0	0	0.386	0.163	0.501	0.001	0	0	---	---	0.132	1961
1962	---	---	0	0	0.412	0.094	0	0	0	0	---	---	0.064	1962
1963	---	---	0	0	0.627	0.011	0	0	0	0	---	---	0.081	1963
1964	---	---	0	0	0.363	0.205	0.001	0	0	0	---	---	0.071	1964
1965	---	---	0	0	0.295	0.180	0.014	0.289	0.001	0	---	---	0.098	1965
1966	---	---	0	0	0.275	0.243	0.196	0.153	0.006	0.006	---	---	0.110	1966
1967	---	---	0	0	0	0.550	0.343	0.230	0.003	0	---	---	0.140	1967
1968	---	---	0.001	0.001	0.547	0.001	0.556	0.025	0.001	0.001	---	---	0.143	1968
1969	---	---	0	0.001	0.385	0.097	0.455	0.184	0	0	---	---	0.141	1969
1970	---	---	0	0	0.571	0.390	0.419	0.002	0.001	0	---	---	0.173	1970
1971	---	---	0	0	0.526	0	0.670	0.020	0	0	---	---	0.154	1971
1972	---	---	0	0	0.579	0	0.639	0.011	0	0	---	---	0.156	1972
1973	---	---	0	0	0.622	0	0.623	0.049	0	0	---	---	0.164	1973
1974	---	---	0	0	0.002	0.680	0.531	0.011	0	0	---	---	0.152	1974
1975	---	---	0.001	0.001	0.001	0.585	0.426	0.037	0.001	0.001	---	---	0.131	1975
1976	---	---	0	0	0.566	0.002	0.357	0.042	0.001	0.001	---	---	0.123	1976
1977	---	---	0	0.002	0.640	0	0.532	0.001	0.003	0.001	---	---	0.149	1977
1978	---	---	0	0.001	0.077	0.497	0	0	0.001	0.001	---	---	0.071	1978
1979	---	---	0	0	0.163	0.391	0.351	0.003	0.004	0.004	---	---	0.114	1979
1980	---	---	0	0	0.596	0.002	0.393	0.003	0.003	0.002	---	---	0.126	1980
1981	---	---	0	0.150	0.463	0.002	0.002	0.002	0	0	---	---	0.078	1981
1982	---	---	0	0	0.001	0.570	0	0	0	0	---	---	0.070	1982
1983	---	---	0	0	0.554	0	0	0	0	0	---	---	0.070	1983
1984	---	---	0	0	0.321	0	0	0	0	0	---	---	0.041	1984
1985	---	---	0	0	0.327	0.349	0	0	0	0	---	---	0.084	1985
1986	---	---	0	0	0.446	0.041	0	0	0	0	---	---	0.061	1986
1987	---	---	0	0	0.402	0	0	0	0	0	---	---	0.051	1987
1988	---	---	0	0	0.699	0	0	0	0	0	---	---	0.088	1988
1989	---	---	0	0	0.578	0	0	0	0	0	---	---	0.073	1989
1990	---	---	0	0	0.518	0.041	0	0	0	0	---	---	0.071	1990
MEAN	---	---	0	0.004	0.214	0.125	0.164	0.046	0.001	0.001	---	---	0.071	MEAN

LOCATION - LAT 49 21 50 N
LONG 109 32 12 W

REGULATED

INTERNATIONAL GAUGING STATION

RICHARDSON DITCH NEAR CONSUL - STATION NO. 11AB058

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	0 ON MAR 01	0 ON MAR 01 *	0	1912
1916	---	0 ON MAR 01	0 ON MAR 01	0	1916
1917	---	0 ON MAR 01	0 ON MAR 01	0	1917
1918	---	0.116E ON JUN 15	0 ON MAR 01	146	1918
1919	---	---	0 ON MAR 01	---	1919
1920	---	0.082 ON JUN 07	0 ON MAR 01	185	1920
1921	---	---	0 ON MAR 01	---	1921
1922	---	0 ON MAR 01	0 ON MAR 01	0	1922
1923	---	0 ON MAR 01	0 ON MAR 01	0	1923
1924	---	0 ON MAR 01	0 ON MAR 01	0	1924
1925	---	0 ON MAR 01	0 ON MAR 01	0	1925
1926	---	0 ON MAR 01	0 ON MAR 01	0	1926
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
1930	---	0 ON MAR 01	0 ON MAR 01	0	1930
1931	---	0 ON MAR 01	0 ON MAR 01	0	1931
1932	---	0 ON MAR 01	0 ON MAR 01	0	1932
1933	---	0 ON MAR 01	0 ON MAR 01	0	1933
1935	---	0 ON MAR 01	0 ON MAR 01	0	1935
1946	---	0.142E ON JUN 01	0 ON MAR 01	663	1946
1947	---	0.334 ON JUL 26	0 ON MAR 01	726	1947
1948	---	0.419E ON JUL 16	0 ON MAR 01	687	1948
1949	---	0.923E ON MAY 05	0 ON MAR 01	3 130	1949
1950	---	0.493 ON JUL 19	0 ON MAR 01	1 060	1950
1951	---	0.589 ON AUG 02	0 ON MAR 01	848	1951
1952	---	0.487 ON AUG 02	0 ON MAR 01	701	1952
1953	---	0.731 ON JUL 26	0B ON MAR 01	1 270	1953
1954	---	0.566 ON AUG 04	0 ON MAR 01	1 830	1954
1955	---	0.612 ON JUN 15	0 ON MAR 01	1 660	1955
1956	---	0.855 ON JUN 18	0 ON MAR 01	2 650	1956
1957	---	0.816 ON JUN 01	0 ON MAR 01	3 080	1957
1958	---	1.11 ON JUN 02	0B ON MAR 01	3 380	1958
1959	---	0.716 ON JUL 30	0 ON MAR 01	2 560	1959
1960	---	0.816 ON JUN 02	0 ON MAR 01	2 910	1960
1961	---	0.801 ON MAY 29	0 ON MAR 01	2 800	1961
1962	---	0.847 ON MAY 25	0 ON MAR 01	1 350	1962
1963	---	0.906 ON MAY 13	0 ON MAR 01	1 710	1963
1964	---	0.634 ON MAY 24	0 ON MAR 01	1 510	1964
1965	---	0.850A ON MAY 28	0 ON MAR 01	2 070	1965
1966	---	1.22 ON MAY 29	0 ON MAR 01	2 330	1966
1967	---	1.34 ON JUN 02	0 ON MAR 01	2 970	1967
1968	---	1.29 ON MAY 09	0E ON MAR 01	3 030	1968
1969	---	1.62 ON JUL 24	0B ON MAR 01	2 990	1969
1970	---	1.76 ON JUN 10	0E ON MAR 01	3 670	1970
1971	---	1.99 ON JUL 20	0 ON MAR 01	3 260	1971
1972	---	1.68 ON JUL 24	0 ON MAR 01	3 290	1972
1973	---	1.25 ON MAY 16	0 ON MAR 01	3 470	1973
1974	---	2.03 ON JUN 15 *	0B ON MAR 01	3 220	1974
1975	---	1.70 ON JUN 14	0 ON JUN 29	2 770	1975
1976	---	1.42 ON MAY 19	0 ON MAR 01	3 600	1976
1977	---	1.48 ON MAY 10	0E ON MAR 01	3 160	1977
1978	---	1.69 ON JUN 08	0E ON MAR 01	1 510	1978
1979	---	1.92 ON MAY 30	0E ON MAR 01	2 420	1979
1980	---	1.39 ON MAY 21	0 ON MAR 01	2 680	1980
1981	---	1.23 ON MAY 01	0 ON MAR 01	1 650	1981
1982	---	1.61 ON JUN 16	0 ON MAR 01	1 480	1982
1983	---	1.42 ON MAY 28	0 ON MAR 01	1 480	1983
1984	---	0.914 ON MAY 06	0 ON MAR 01	861	1984
1985	---	0.942 ON JUN 01	0 ON MAR 01	1 780	1985
1986	---	1.44 ON MAY 25	0 ON MAR 01	1 300	1986
1987	---	1.46 ON MAY 21	0 ON MAR 01	1 080	1987
1988	---	1.50 ON MAY 17	0 ON MAR 01	1 670	1988
1989	---	0.989 ON MAY 16	0 ON MAR 01	1 550	1989
1990	---	1.40 ON MAY 30	0 ON MAR 01	1 490	1990
				1 510	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIDALLS TRIBUTARY BELOW GREENLEIGH RESERVOIR - STATION NO. 05HF013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.562	0	0	0	0	0	0	---	---	0.069	1969
1970	---	---	0	0.496	0	0	0	0	0	0	---	---	0.061	1970
1971	---	---	0	0.221	0.001	0	0	0	0	0	---	---	0.027	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0.037	1974
			0	0.239	0.012	0.004	0.002	0.042	0.001	0.001				
1975	---	---	0	0.378	0.014	0.001	0	0	0	0	---	---	0.048	1975
1976	---	---	0	0.161	0	0	0	0	0	0	---	---	0.020	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.038	0.001	0	0	0	0	0	---	---	0.005	1978
1979	---	---	0	0.003	0.001	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0	0.075	0.001	0	0	0	0	0	---	---	0.009	1982
1983	---	---	0.029	0.013	0	0	0	0	0	0	---	---	0.005	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0.294	0.001	0	0	0	0	0	---	---	0.036	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
MEAN	---	0	0.002	0.131	0.002	0	0	0.002	0	0	---	---	0.017	MEAN

LOCATION - LAT 51 17 51 N LONG 108 27 13 W DRAINAGE AREA, 25.1 km² REGULATED

RIDALLS TRIBUTARY BELOW GREENLEIGH RESERVOIR - STATION NO. 05HF013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.005B ON MAR 02	0B ON MAR 07 *	1.47	1968
1969	5.38 AT 18:00 CST ON APR 12 *	5.10 ON APR 13 *	0 ON MAR 01	1 460	1969
1970	---	4.39 B ON APR 11	0B ON MAR 01	1 290	1970
1971	1.30 AT 12:38 CST ON APR 13	1.18 ON APR 13	0B ON MAR 01	576	1971
1972	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1972
1973	---	0.005B ON MAR 20	0B ON MAR 01	4.06	1973
1974	3.06 B ON APR 19	3.06 B ON APR 19	0B ON MAR 01	784	1974
1975	---	2.74 B ON APR 20	0B ON MAR 01	1 020	1975
1976	3.57 B AT 03:54 CST ON APR 07	1.31 B ON APR 07	0B ON MAR 01	418	1976
1977	0.020 AT 18:45 CST ON MAY 15	0.003 ON MAY 19	0 ON MAR 01	1.04	1977
1978	0.204B AT 04:00 CST ON APR 06	0.170B ON APR 06	0B ON MAR 01	101	1978
1979	0.010 AT 07:33 CST ON APR 22	0.010 ON APR 22	0B ON MAR 01	9.33	1979
1980	---	0 ON MAR 01	0 ON MAR 01	0	1980
1981	---	0 ON MAR 01	0 ON MAR 01	0	1981
1982	0.948 AT 03:11 CST ON APR 17	0.816 ON APR 17	0 ON MAR 01	197	1982
1983	0.334 AT 10:38 CST ON MAR 30	0.311 ON MAR 30	0 ON MAR 01	111	1983
1984	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1984
1985	1.97 B AT 22:54 CST ON APR 09	1.54 B ON APR 09	0B ON MAR 01	766	1985
1986	0 AT 00:01 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1986
				355	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIDGE CREEK NEAR BRIDGEFORD - STATION NO. 05JG013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.216	2.91	0.159	0.314	0.036	0.001	0.002	0.004	---	---	0.447	1970
1971	---	---	0.003	1.70	0.014	0.025	0.011	0.002	0.000	0.016	---	---	0.218	1971
1972	---	---	0.253	0.078	0.023	0.006	0.002	0.005	0.004	0.005	---	---	0.047	1972
1973	---	---	0.371	0.076	0.036	0.025	0.001	0	0.002	0.018	---	---	0.066	1973
1974	---	---	0	6.32	0.709	0.062	0.006	0.009	0.007	0.010	---	---	0.875	1974
1975	---	---	0.005	1.53	0.089	0.015	0.006	0.004	0.008	0.009	---	---	0.204	1975
1976	---	---	1.78	1.11	0.025	0.009	0.003	0.001	0.001	0.002	---	---	0.367	1976
1977	---	---	0.010	0.034	0.021	0.009	0.005	0	0.003	0.002	---	---	0.010	1977
1978	---	---	0.234	0.304	0.025	0.003	0.001	0.001	0.001	0.003	---	---	0.071	1978
1979	---	---	0.499	0.751	0.103	0.008	0.003	0	0	0.001	---	---	0.170	1979
1980	---	---	0.370	0.065	0.007	0.001	0.002	0.001	0	0	---	---	0.056	1980
1981	---	0.139	0.048	0.008	0.007	0.004	0.023	0.003	0.003	0.003	---	---	0.012	1981
1982	---	0.001	0.183	3.30	0.103	0.073	0.072	0.002	0.001	0.002	---	---	0.459	1982
1983	---	0.045	0.383	0.124	0.027	0.003	0.360	0.025	0.002	0.008	---	---	0.118	1983
1984	---	---	0.320	0.055	0.014	0.005	0	0	0	0.010	---	---	0.051	1984
1985	---	0.001	2.03	0.634	0.030	0.002	0	0	0	0	---	---	0.339	1985
1986	---	0.309	0.479	0.035	0.061	0.001	0	0	0	0.004	---	---	0.073	1986
1987	---	---	0.617	0.321	0.008	0.002	0.001	0	0	0	---	---	0.119	1987
1988	---	0	0.019	0.017	0.005	0	0	0	0	0	---	---	0.005	1988
1989	---	---	0.115	0.080	0.013	0.014	0.016	0	0	0	---	---	0.030	1989
1990	---	0	0.335	0.038	0.011	0.012	0.001	0.001	0	0	---	---	0.050	1990
MEAN	---	0.071	0.394	0.928	0.071	0.028	0.026	0.003	0.002	0.005	---	---	0.180	MEAN

LOCATION - LAT 50 57 05 N LONG 106 19 46 W DRAINAGE AREA, 460 km² NATURAL FLOW

RIDGE CREEK NEAR BRIDGEFORD - STATION NO. 05JG013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	23.0 AT 19:52 CST ON APR 07	20.9 ON APR 08	0 ON AUG 24 *	9 470	1970
1971	20.8 B AT 20:47 CST ON APR 07	15.5 B ON APR 07	0 ON AUG 24	4 610	1971
1972	2.38 B AT 20:06 CST ON MAR 18	1.38 B ON MAR 19	0B ON MAR 01	999	1972
1973	2.86 B AT 19:30 CST ON MAR 11	2.42 B ON MAR 11	0B ON MAR 01	1 400	1973
1974	36.8 AT 06:34 CST ON APR 22 *	33.1 ON APR 22 *	0B ON MAR 01	18 500	1974
1975	7.76 AT 13:10 CST ON APR 14	5.95 ON APR 15	0B ON MAR 01	4 320	1975
1976	22.2 B AT 21:19 CST ON MAR 30	17.8 B ON MAR 31	0B ON MAR 01	7 770	1976
1977	1.09 AT 16:40 CST ON MAY 26	0.102 ON APR 12	0 ON AUG 04	221	1977
1978	3.03 AT 22:55 CST ON MAR 29	2.20 ON MAR 30	0 ON JUN 15	1 500	1978
1979	5.17 B AT 20:04 CST ON APR 17	4.14 B ON APR 17	0 ON JUL 20	3 590	1979
1980	3.53 B AT 22:12 CST ON MAR 22	1.45 B ON MAR 20	0B ON MAR 08	1 190	1980
1981	2.08 AT 08:15 CST ON JUL 19	0.362 ON JUL 19	0 ON JUL 11	264	1981
1982	24.7 B AT 00:15 CST ON APR 14	22.5 B ON APR 14	0 ON AUG 09	9 720	1982
1983	3.51 AT 12:39 CST ON JUL 21	2.17 B ON MAR 12	0 ON AUG 21	2 490	1983
1984	2.05 B AT 19:49 CST ON MAR 20	1.56 B ON MAR 20	0 ON JUN 17	1 080	1984
1985	16.7 AT 21:53 CST ON MAR 20	11.7 B ON MAR 20	0 ON JUN 24	7 170	1985
1986	4.08 B AT 21:50 CST ON FEB 28	4.30 B ON MAR 01	0 ON JUN 23	1 550	1986
1987	3.13 B AT 17:17 CST ON MAR 28	2.28 B ON MAR 05	0 ON JUN 13	2 510	1987
1988	0.055 AT 03:42 CST ON APR 03	0.052 ON APR 03	0 ON JUN 01	108	1988
1989	1.34 B AT 19:44 CST ON MAR 26	0.725B ON MAR 27	0B ON MAR 01	630	1989
1990	1.36 B AT 00:29 CST ON MAR 07	1.01 B ON MAR 04	0B ON MAR 01	1 060	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 820	MEAN

ROCK CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.253	0.212	0.243	0.121	0.023	0.299	---	---	---	1914
1915	---	---	---	2.69	0.699	0.207	0.181	0.065	0.006	0.014	---	---	---	1915
1927	---	---	0.356	9.50	1.29	0.668	0.158	0.060	0.098	0.116	---	---	1.51	1927
1928	---	---	4.36	0.852	0.284	0.704	0.425	0.061	0.049	0.106	---	---	0.859	1928
1929	---	---	0.330	0.274	0.239	0.073	0.033	0.004	0.002	0.015	---	---	0.121	1929
1930	---	---	1.78	3.22	0.204	0.015	0.029	0.018	0.270	0.157	---	---	0.706	1930
1931	---	---	0.360	0.050	0.024	0.057	0.018	0.001	0	0.021	---	---	0.067	1931
1932	---	---	0.595	0.339	0.107	0.292	0.066	0.001	0	0.007	---	---	0.176	1932
1933	---	---	1.48	0.390	0.275	0.056	0.010	0.245	0.051	0.014	---	---	0.317	1933
1934	---	---	2.80	0.805	0.102	0.068	0.024	0	0	0.047	---	---	0.484	1934
1935	---	---	0.047	1.34	0.312	0.176	0.521	0.008	0	0.028	---	---	0.302	1935
1936	---	---	0	2.20	0.382	0.049	0	0	0	0	0.012	0.002	0.323	1936
1937	---	---	0.040	0.811	0.041	0.007	0.409	0	0	0.020	---	---	0.165	1937
1938	---	---	3.40	1.33	0.278	0.737	0.319	0	0.004	0.053	---	---	0.766	1938
1939	---	---	8.39	0.444	0.768	2.20	0.090	0.007	0.001	0.026	---	---	1.50	1939
1940	---	---	0.042	2.21	0.290	0.261	0.056	0.010	0	0.014	---	---	0.355	1940
1941	---	---	3.77	0.332	0.133	0.093	0.024	0	0.001	0.018	---	---	0.551	1941
1942	---	---	1.45	1.69	0.185	0.495	0.113	0.023	0.075	0.043	---	---	0.506	1942
1943	---	---	6.77	3.43	0.278	1.60	0.216	0.018	0.007	0.103	---	---	1.55	1943
1944	---	---	0.387	1.71	0.274	0.250	0.043	0.500	0.010	0.028	---	---	0.397	1944
1945	---	---	3.56	0.227	0.153	0.103	0.045	0	0	0.013	---	---	0.517	1945
1946	---	---	1.84	0.226	0.086	0.147	0.046	0	0	0.018	---	---	0.298	1946
1947	---	---	1.27	5.00	0.251	0.524	0.122	0.229	0.006	0.032	---	---	0.918	1947
1948	---	---	0.527	3.23	0.266	0.084	0.022	0.028	0.001	0.020	---	---	0.619	1948
1949	---	---	0.180	0.980	0.134	0.092	0.172	0.011	0	0.044	---	---	0.200	1949
1950	---	---	0	7.55	0.855	0.665	0.068	0.037	0.037	0.059	---	---	1.14	1950
1951	---	---	0	6.44	1.12	0.239	0.081	0.097	0.163	0.126	---	---	1.02	1951
1952	---	---	0.007	14.1	0.340	0.136	1.15	0.063	0.062	0.067	---	---	1.96	1952
1953	---	---	0.470	1.31	1.14	1.44	0.411	0.034	0.039	0.085	0.130	---	0.613	1953
1954	---	---	0.874	6.82	0.467	1.46	0.253	0.498	0.196	0.175	0.146	---	1.32	1954
1955	---	---	0.168	7.16	1.48	0.197	0.127	0.025	0.030	0.079	---	---	1.14	1955
1956	---	---	2.00	0.997	0.415	0.485	0.102	0.020	0.038	0.085	---	---	0.518	1956
1957	---	---	0.751	0.603	0.159	0.074	0.008	0	0.005	0.029	---	---	0.203	1957
1958	---	---	1.26	1.87	0.120	0.037	0.014	0	0	0.026	---	---	0.414	1958
1959	---	---	1.26	0.516	0.141	0.376	0.106	0	0.006	0.130	---	---	0.316	1959
1960	---	---	6.18	0.566	0.208	0.145	0.048	0.033	0	0.014	---	---	0.908	1960
1961	---	---	0.384	0.200	0.141	0.038	0.006	0	0	0.018	---	---	0.099	1961
MEAN	---	---	1.63	2.54	0.376	0.391	0.177	0.060	0.032	0.058	0.096	0.002	0.653	MEAN

LOCATION - LAT 48 59 20 N LONG 106 47 30 W DRAINAGE AREA, 606 km^2 REGULATED INTERNATIONAL GAUGING STATION

ROCK CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1914	---		---		0	ON MAY 21 *	---	1914
1915	---		25.0 B	ON APR 04	---		---	1915
1927	---		37.4	ON APR 06	0 B	ON MAR 01	31 900	1927
1928	36.8	ON MAR 22	20.2	ON MAR 20	0.023	ON AUG 21	10 200	1928
1929	---		1.59	ON MAR 30	0	ON MAR 01	2 570	1929
1930	---		17.2	ON APR 04	0	ON AUG 28	15 000	1930
1931	---		1.37B	ON MAR 19	0	ON APR 22	1 410	1931
1932	---		4.79	ON MAR 25	0 E	ON MAR 01	3 720	1932
1933	---		5.89B	ON MAR 18	0	ON JUL 09	6 700	1933
1934	---		5.66B	ON MAR 03	0	ON JUL 22	10 200	1934
1935	7.19	ON JUL 23	5.97	ON JUL 23	0 B	ON MAR 01	6 380	1935
1936	14.8	ON APR 14	11.9	ON APR 14	0	ON MAR 01	6 850	1936
1937	5.89	ON JUL 13	3.54	ON JUL 14	0 B	ON MAR 01	3 490	1937
1938	22.5 B	ON MAR 17	17.6 B	ON MAR 17	0 B	ON MAR 01	16 200	1938
1939	68.2	ON MAR 25	64.6	ON MAR 25	0	ON MAR 01	31 700	1939
1940	11.9 B	ON APR 18	10.3 B	ON APR 18	0	ON JUL 15	7 510	1940
1941	26.2	ON MAR 22	21.0	ON MAR 22	0 B	ON MAR 01	11 700	1941
1942	11.9	ON APR 03	8.98	ON APR 03	0 B	ON MAR 01	10 700	1942
1943	58.6	ON MAR 30	56.6	ON MAR 30	0	ON MAR 01	32 800	1943
1944	22.0 B	ON APR 02	14.2 B	ON APR 02	0 B	ON MAR 01	8 400	1944
1945	25.3 B	ON MAR 14	16.1 B	ON MAR 14	0 B	ON MAR 01	11 000	1945
1946	7.67B	ON MAR 20	6.51B	ON MAR 20	0	ON MAR 01	6 310	1946
1947	23.3	ON APR 03	17.1	ON APR 03	0 B	ON MAR 01	19 400	1947
1948	30.0	ON JUL 14	13.2	ON APR 17	0 B	ON MAR 01	13 100	1948
1949	4.70B	ON APR 01	3.96B	ON APR 01	0 B	ON MAR 01	4 230	1949
1950	37.7	ON APR 16	35.7	ON APR 18	0 B	ON MAR 01	24 100	1950
1951	21.4 B	ON APR 28	18.4 B	ON APR 28	0 B	ON MAR 01	21 500	1951
1952	93.7 *	ON APR 15 *	68.5	ON APR 15 *	0 B	ON MAR 01	41 400	1952
1953	9.34	ON JUN 09	6.00	ON JUN 09	0.017	ON AUG 21	13 000	1953
1954	63.7 E	ON APR 07	51.5 B	ON APR 06	0.057B	ON MAR 01	28 000	1954
1955	48.1 B	ON APR 02	37.4 B	ON APR 02	0 B	ON MAR 01	24 200	1955
1956	17.1 B	ON MAR 27	14.2 B	ON MAR 26	0 B	ON MAR 01	11 000	1956
1957	6.03	ON APR 24	4.81B	ON MAR 23	0 B	ON MAR 01	4 300	1957
1958	26.2 B	ON MAR 31	22.7 B	ON MAR 31	0 B	ON MAR 10	8 750	1958
1959	8.61B	ON MAR 28	7.16B	ON MAR 28	0 B	ON MAR 01	6 700	1959
1960	45.9	ON MAR 27	36.8	ON MAR 27	0	ON MAR 01	19 200	1960
1961	---		1.67B	ON MAR 20	0	ON JUN 22	2 090	1961
							13 800	MEAN

B = ICE CONDITIONS
E = ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROCK CREEK BELOW HORSE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AB009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	4.96	13.8	1.06	0.876	0.566	0.074	0.060	0.117	---	---	---	1916
1917	---	---	0	9.39	0.822	0.402	0.070	0.001	0.048	0.058	---	---	---	1917
1918	---	---	---	1.79	0.328	0.121	0.029	0.132	0.066	0.109	---	---	---	1918
1919	---	---	0.009	6.61	0.302	0.063	0.016	0.002	0.001	0.055	---	---	---	1919
1920	---	---	1.83	2.69	0.791	0.200	0.059	0.014	0.066	0.067	---	---	---	1920
1921	---	---	---	0.558	0.337	0.509	1.73	0.056	0.598	0.140	---	---	---	1921
1922	---	---	0.010	8.15	1.20	0.733	0.199	0.088	0.037	0.073	---	---	---	1922
1923	---	---	0.067	3.60	0.742	4.85	2.09	0.429	0.179	0.200	---	---	---	1923
1924	---	---	0.102	2.02	0.427	0.353	0.105	0.106	0.055	1.65	---	---	---	1924
1925	---	---	11.3	5.66	0.380	0.607	0.127	0.028	0.310	0.484	---	---	---	1925
1926	---	---	3.93	0.365	0.447	1.46	0.065	0.032	0.086	0.077	---	---	---	1926
1936	---	---	---	---	---	---	---	---	---	0.056	---	---	---	1956
1957	---	---	0.900	0.634	0.188	0.132	0.012	0.001	0.003	0.045	---	---	---	1957
1958	---	---	2.14	2.14	0.135	0.048	0.006	0	0	0.015	---	---	---	1958
1959	---	---	1.79	0.629	0.113	0.419	0.098	0	0	0.113	---	---	---	1959
1960	---	---	8.50	0.711	0.271	0.103	0.051	0.053	0	0.004	---	---	---	1960
1961	---	---	0.438	0.226	0.152	0.027	0.001	0	0	0.004	---	---	---	1961
1962	---	---	1.46	2.81	0.143	0.854	0.482	0.073	0.007	0.063	---	---	---	1962
1963	---	---	5.22	0.485	0.211	1.22	0.460	0.052	0.018	0.022	---	---	---	1963
1964	---	---	0.111	0.608	0.167	0.194	0.052	0	0	0.018	---	---	---	1964
1965	---	---	0	3.63	1.90	0.970	0.168	0.112	0.080	0.077	---	---	---	1965
1966	---	---	3.09	0.336	0.353	0.124	0.126	0.017	0.004	0.027	---	---	---	1966
1967	---	---	0.793	11.4	1.12	0.267	0.048	0.003	0.042	0.090	---	---	---	1967
1968	---	---	6.20	0.347	0.113	0.102	0.032	0.018	0.068	0.044	---	---	---	1968
1969	---	---	0.003	12.4	0.584	0.147	1.80	0.051	0.020	0.107	---	---	---	1969
1970	---	---	0.242	8.10	1.82	0.638	0.082	0.015	0.019	0.044	---	---	---	1970
1971	---	---	0.018	3.77	0.211	0.404	0.020	0	0.001	0.022	---	---	---	1971
1972	---	---	4.98	0.659	0.429	0.891	0.055	0.017	0.044	0.091	---	---	---	1972
1973	---	---	1.52	0.212	0.175	0.540	0.052	0.001	0.004	0.021	---	---	---	1973
1974	---	---	1.39	9.25	1.20	0.235	0.150	0.166	0.038	0.083	---	---	---	1974
1975	---	---	0.075	5.96	1.35	0.207	0.049	0.378	0.068	0.155	---	---	---	1975
1976	---	---	10.5	1.68	0.161	0.229	0.409	0.132	0.019	0.045	---	---	---	1976
1977	---	---	0.327	0.790	0.314	0.073	0.174	0.006	0.141	0.209	---	---	---	1977
1978	---	---	7.94	6.98	0.707	0.235	0.729	0.035	0.096	0.060	0.066	0.032	---	1978
1979	0.007	0	0.154	8.54	1.36	0.158	1.15	0.049	0.024	0.046	0.078	0.062	0.963	1979
1980	0.007	0	1.15	2.07	0.108	0.090	0.031	0.003	0.025	0.047	0.079	0.027	0.302	1980
1981	0.050	2.72	0.300	0.126	0.081	0.333	0.048	0	0	0.009	0.031	0.020	0.292	1981
1982	0.001	0.001	0.203	7.63	2.32	0.545	0.079	0.026	0.013	0.063	0.051	0.029	0.925	1982
1983	0.030	0.077	0.692	0.666	0.424	0.060	0.031	0	0	0.008	0.023	0.013	0.169	1983
1984	0	0	0.282	0.362	0.071	0.186	0.011	0	0	0.010	0.027	0.009	0.080	1984
1985	0	0	1.14	0.440	0.109	0.130	0	0.001	0.029	0.066	0.026	0.011	0.164	1985
1986	0.013	0.026	8.15	0.288	0.985	0.055	0.256	0.002	0.354	0.261R	0.067R	0.045R	0.809R	1986
1987	0.032	0.480	4.00	1.51	0.060	0.024	0.473	0.181	0.019	0.028	0.055	0.040	0.578	1987
1988	0	0	0.171	0.185	0.166	0.005	0	0	0	0	0.003	0.003	0.045	1988
1989	0	0	0.629	0.637	0.325	0.108	0.034	0	0	0.010	0.033	0.012	0.150	1989
1990	0.006	0.012	1.55	0.427	0.121	0.027	0.806	0.017	0	0	0.015	0.012	0.253	1990
MEAN	0.012	0.276	2.29	3.36	0.555	0.445	0.290	0.053	0.059	0.109R	0.043R	0.024R	0.401R	MEAN

LOCATION - LAT 48 58 10 N LONG 106 50 20 W DRAINAGE AREA, 837 km² NATURAL FLOW

DATA CONTRIBUTED BY - UNITED STATES GEOLOGICAL SURVEY

R - REVISED SINCE JAN 01 1989

ROCK CREEK BELOW HORSE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AE009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	28.3 B ON MAR 30	0B ON MAR 01 *	---	1916
1917	---	70.8 E ON APR 15	0E ON MAR 01	---	1917
1918	---	---	---	---	1918
1919	---	36.0 B ON APR 04	0B ON MAR 01	---	1919
1920	12.3 B AT 07:30 MST ON MAR 26	9.85B ON MAR 26	0 ON MAR 01	---	1920
1921	23.5 AT 18:00 MST ON JUL 13	22.6 ON JUL 14	---	---	1921
1922	66.0 B ON APR 05	53.5 B ON APR 05	0B ON MAR 01	---	1922
1923	48.1 AT 14:00 MST ON JUN 01	40.5 ON JUN 01	---	---	1923
1924	---	7.99 ON OCT 12	0B ON FEB 20	---	1924
1925	102 ON MAR 31	95.4 B ON MAR 30	0 ON MAR 01	---	1925
1926	---	17.2 ON MAR 17	---	---	1926
1956	---	---	---	---	1956
1957	---	5.52B ON MAR 23	0B ON MAR 01	---	1957
1958	40.5 B AT 07:30 MST ON MAR 31	31.7 B ON MAR 31	0B ON MAR 11	---	1958
1959	13.1 B AT 12:30 MST ON MAR 28	10.8 B ON MAR 28	0B ON MAR 01	---	1959
1960	58.6 AT 08:00 MST ON MAR 27	50.4 ON MAR 27	0 ON MAR 01	---	1960
1961	2.32B AT 15:00 MST ON MAR 20	1.93B ON MAR 21	0 ON JUN 25	---	1961
1962	25.5 AT 01:00 MST ON JUN 15	15.9 ON APR 06	0 ON MAR 01	---	1962
1963	23.1 B AT 09:00 MST ON MAR 22	19.2 B ON MAR 24	0B ON MAR 01	---	1963
1964	3.85B AT 18:40 MST ON APR 02	2.97B ON APR 02	0B ON MAR 01	---	1964
1965	34.3 AT 01:00 MST ON MAY 07	25.9 ON MAY 07	0 ON MAR 01	---	1965
1966	---	24.4 B ON MAR 15	0B ON MAR 01	---	1966
1967	57.2 AT 06:00 MST ON APR 12	49.0 ON APR 11	0B ON MAR 06	---	1967
1968	34.0 B AT 07:15 MST ON MAR 05	26.3 B ON MAR 05	0 ON AUG 02	---	1968
1969	125 AT 01:00 MST ON APR 07 *	98.0 ON APR 07 *	0B ON MAR 01	---	1969
1970	68.2 AT 04:15 MST ON APR 07	51.8 ON APR 07	---	---	1970
1971	28.3 B AT 10:30 CST ON APR 10	24.1 B ON APR 10	0E ON MAR 01	---	1971
1972	44.2 B AT 06:00 MST ON MAR 20	34.5 B ON MAR 20	0 ON MAR 01	---	1972
1973	17.4 AT 12:00 CST ON JUN 14	7.36 ON JUN 14	0 ON AUG 06	---	1973
1974	34.0 B AT 13:00 CST ON APR 06	28.9 B ON APR 06	---	---	1974
1975	28.9 AT 15:30 CST ON APR 24	24.6 ON APR 24	---	---	1975
1976	48.7 B AT 14:30 CST ON MAR 20	41.9 ON MAR 24	---	---	1976
1977	3.54B AT 21:00 MST ON APR 08	3.03B ON APR 08	---	---	1977
1978	114 AT 00:15 CST ON MAR 31	96.0 ON MAR 30	---	---	1978
1979	44.7 AT 09:00 CST ON APR 18	40.5 ON APR 18	0B ON FEB 01	30 400	1979
1980	17.3 B AT 16:00 CST ON MAR 30	14.2 B ON MAR 30	0B ON JAN 11	9 560	1980
1981	25.8 B AT 08:30 CST ON FEB 18	18.1 B ON FEB 18	0 ON APR 01	9 220	1981
1982	61.2 AT 21:45 CST ON APR 13	48.7 ON APR 14	0B ON JAN 06	29 200	1982
1983	6.60 AT 01:30 CST ON MAR 31	5.32 ON APR 01	0 ON AUG 04	5 340	1983
1984	2.63 AT 12:15 CST ON JUN 21	1.37 ON JUN 21	0B ON JAN 01	2 520	1984
1985	---	6.51B ON MAR 19	0B ON JAN 01	5 160	1985
1986	---	28.1 B ON MAR 05	0 ON AUG 20	28 100	1986
1987	31.1 B AT 09:45 CST ON MAR 07	25.5 B ON MAR 07	0 ON JUL 16	18 200	1987
1988	1.47 AT 00:45 CST ON MAY 09	1.08 ON MAY 09	0B ON JAN 04	1 410	1988
1989	7.56B AT 09:15 CST ON MAY 24	5.10B ON MAR 29	0B ON JAN 01	4 720	1989
1990	45.6 AT 12:45 CST ON JUL 26	18.4 ON JUL 26	0 ON JUL 04	7 980	1990
				12 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROMANCE CREEK NEAR WATSON - STATION NO. 05MA016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.302	1.47	0.002	0	0	0	0	0	---	---	0.218	1966
1967	---	---	0	1.28	1.53	0.004	0	0	0	0	---	---	0.350	1967
1968	---	---	0.844	0.144	0	0	0	0	0	0	---	---	0.124	1968
1969	---	---	0	2.02	0.020	0	0	0	0	0	---	---	0.250	1969
1971	---	---	0	2.95	0.114	0.004	0.418	0	0	0	---	---	0.429	1971
1972	---	---	0.005	6.67	2.06	0.214	0	0	0	0	---	---	1.10	1972
1973	---	---	0.006	0.043	0	0.680	0.077	0	0	0	---	---	0.099	1973
1974	---	---	---	---	3.38	0.850	0.166	---	---	---	---	---	---	1974
1975	---	---	---	---	2.26	0.091	---	---	---	---	---	---	---	1975
1976	---	---	---	5.19	---	---	---	---	---	---	---	---	---	1976
1977	---	---	0	0.051	0.100	0.068	0	0	0	0	---	---	0.027	1977
1978	---	---	0.003	2.01	0.040	0.001	0	0	0	0	---	---	0.252	1978
1979	---	---	0	5.53	2.40	0.181	0.032	0.005	0.001	0.001	---	---	1.01	1979
1980	---	---	0	1.86	0.110	0.009	0.032	0	0	0	---	---	0.247	1980
1981	---	0	0.004	0	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0.001	0.226	0.008	0.002	0.102	0.038	0.001	0	---	---	0.047	1982
1983	---	---	0	1.03	0.144	0.009	0.436	0.105	0.001	0	---	---	0.214	1983
1984	---	---	0.192	0.252	0.127	0.011	0	0	0	0	---	---	0.073	1984
1985	---	---	0	6.33	0.214	0.015	0	0	0	0	---	---	0.804	1985
1986	---	---	0.453	0.479	0.017	0	0	0	0	0	---	---	0.118	1986
1987	---	---	0.021	1.07	0.002	0	0	0	0	0	---	---	0.134	1987
1988	---	---	0	3.06	0.027	0	0	0	0	0	---	---	0.378	1988
1989	---	---	0	0.171	0.001	0	0	0	0.001	0	---	---	0.021	1989
1990	---	---	0.082	2.66	0.058	0	0	0	0	0	---	---	0.344	1990
MEAN	---	0	0.091	2.02	0.548	0.093	0.057	0.007	0	0	---	---	0.297	MEAN

LOCATION - LAT 51 59 37 N
LONG 104 33 11 W
DRAINAGE AREA, 506 km²
REGULATED

ROMANCE CREEK NEAR WATSON - STATION NO. 05MA016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	7.67 ON APR 01	0E ON MAR 01 *	4 620	1966
1967	---	10.7 ON APR 26	0E ON MAR 01	7 410	1967
1968	---	4.11 ON MAR 24	0E ON MAR 01	2 630	1968
1969	---	9.03 ON APR 12	0 ON MAR 01	5 290	1969
1971	---	10.3 ON APR 10	0E ON MAR 01	9 070	1971
1972	---	13.2 ON APR 15	0E ON MAR 01	23 400	1972
1973	---	3.43 ON JUN 07	0E ON MAR 01	2 100	1973
1974	---	21.2 ON APR 21	0 ON AUG 08	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	1.89 AT 21:26 CST ON MAY 30	0.994 ON MAY 30	0B ON MAR 01	578	1977
1978	8.35 AT 20:00 CST ON APR 09	6.12 ON APR 10	0B ON MAR 01	5 330	1978
1979	28.1 AT 23:31 CST ON APR 24 *	25.6 ON APR 24 *	0B ON MAR 01	21 300	1979
1980	6.28 AT 09:30 CST ON APR 13	5.84 B ON APR 13	0B ON MAR 01	5 230	1980
1981	0.035 AT 01:19 CST ON JUL 31	0.021B ON MAR 16	0B ON MAR 01	13.4	1981
1982	2.21 AT 09:28 CST ON APR 16	1.16 ON APR 16	0B ON MAR 01	992	1982
1983	5.03 B AT 23:50 CST ON APR 19	4.16 ON APR 22	0B ON MAR 01	4 530	1983
1984	1.73 B AT 17:22 CST ON MAR 28	1.19 B ON MAR 28	0B ON MAR 01	1 540	1984
1985	21.4 B AT 03:45 CST ON APR 11	18.8 B ON APR 10	0B ON MAR 01	17 000	1985
1986	5.53 B AT 04:30 CST ON MAR 31	4.79 B ON MAR 31	0B ON MAR 01	2 500	1986
1987	4.13 AT 23:11 CST ON APR 06	3.92 ON APR 06	0B ON MAR 01	2 840	1987
1988	12.2 B AT 00:10 CST ON APR 04	10.4 ON APR 08	0B ON MAR 01	8 000	1988
1989	1.02 AT 17:07 CST ON APR 07	0.628 ON APR 08	0B ON MAR 01	448	1989
1990	16.9 B AT 21:27 CST ON APR 02	12.8 B ON APR 03	0B ON MAR 01	7 280	1990
				6 290	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSE CREEK AT DORRELL - STATION NO. 11AC015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.019	0.015	0.007	0.003	0.011	0.012	---	---	---	1911
1912	---	---	---	---	0.034	0.020	0.007	0.009	0.010	0.013	---	---	---	1912
1913	---	---	---	0.274	0.031	0.023	0.010	0.003	0.003	0.006	---	---	---	1913
1914	---	---	---	0.106	0.018	0.018	0.002	0.001	0.010	0.017	---	---	---	1914
MEAN	---	---	---	0.190	0.026	0.019	0.007	0.004	0.009	0.012	---	---	---	MEAN

LOCATION - LAT 49 35 10 N DRAINAGE AREA, 26.9 km^2
LONG 108 52 50 W REGULATED

ROSE CREEK AT DORRELL - STATION NO. 11AC015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUL 28 *	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ROUGHBARK CREEK ABOVE ROUGHBARK RESERVOIR - STATION NO. 05NB015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0	0	0	0	0	0	0	0	---	---	0	1959
1960	---	---	0.919	1.16	0.013	0	0	0	0	0	---	---	0.260	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.001	0.162	0	0.001	0	0	0	0	---	---	0.020	1962
1963	---	---	0.087	0.019	0	0.375	0	0	0	0	---	---	0.059	1963
1964	---	---	0	0.495	0.017	0	0	0	0	0	---	---	0.063	1964
1965	---	---	0	0.569	0.972	0.331	0.022	0.001	0.011	0.010	---	---	0.239	1965
1966	---	---	0.255	0.016	0.011	0	0	0	0	0	---	---	0.036	1966
1967	---	---	0.002	0.613	0.631	0.002	0	0	0	0	---	---	0.155	1967
1968	---	---	0	0	0	0	0	0.022	0.024	0	---	---	0.006	1968
1969	---	---	0	3.04	0.078	0	0.008	0	0	0	---	---	0.383	1969
1970	---	---	0	1.36	1.74	0.056	0	0	0	0	---	---	0.394	1970
1971	---	---	0.001	1.14	0.012	0	0.299	0.005	0.001	0	---	---	0.180	1971
1972	---	---	1.14	0.120	0.028	0.009	0.002	0	0	0	---	---	0.164	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	3.52	0.295	0.056	0	0	0	0	---	---	0.47[illegible]	1974
MEAN	---	---	0.150	0.763	0.237	0.052	0.021	0.002	0.002	0.001	---	---	0.152	MEAN

LOCATION - LAT 49 29 39 N DRAINAGE AREA, 156 km^2
LONG 103 45 56 W REGULATED

ROUGHBARK CREEK ABOVE ROUGHBARK RESERVOIR - STATION NO. 05NB015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0 ON MAR 01	0 ON MAR 01 *	0	1959
1960	---	10.6 B ON MAR 30	0B ON MAR 01	5 510	1960
1961	---	0 ON MAR 01	0 ON MAR 01	0	1961
1962	---	0.983 ON APR 03	0 ON MAR 01	422	1962
1963	---	2.72 ON JUN 10	0 ON MAR 01	1 260	1963
1964	---	2.69 B ON APR 06	0B ON MAR 01	1 330	1964
1965	---	7.14 ON MAY 08	0B ON MAR 01	5 050	1965
1966	---	1.39 ON MAR 17	0 ON MAR 01	753	1966
1967	---	2.63 ON MAY 03	0B ON MAR 01	3 290	1967
1968	---	0.396 ON AUG 30	0 ON MAR 01	122	1968
1969	---	24.1 B ON APR 11	0B ON MAR 01	8 100	1969
1970	---	10.3 ON MAY 04	0B ON MAR 01	8 340	1970
1971	11.3 B AT 06:30 CST ON APR 09 *	9.29 B ON APR 09	0B ON MAR 01	3 810	1971
1972	8.47B AT 12:00 CST ON MAR 20	7.62 B ON MAR 20	0B ON MAR 01	3 470	1972
1973	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1973
1974	---	28.3 E ON APR 18 *	0B ON MAR 01	10 100	1974
				3 220	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROUGHBARK CREEK BELOW ROUGHBARK RESERVOIR - STATION NO. 05NB023

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0	0.424	0.368	0.086	0.267	0.003	0	---	---	0.144	1944
1960	---	---	0.300	1.51	0.007	0	0.062	0	0	0	---	---	0.232	1960
1961	---	---	0.004	0	0	0	0.023	0	0.031	0	---	---	0.007	1961
1962	---	---	0.012	0.022	0.108	0.016	0	0	0	0	---	---	0.020	1962
1963	---	---	0.046	0	0	0.019	0	0.041	0.013	0	---	---	0.015	1963
1964	---	---	0	0.308	0.019	0	0.096	0	0	0	---	---	0.052	1964
1965	---	---	0	0.590	0.976	0.492	0.005	0	0.085	0.076	---	---	0.277	1965
1966	---	---	0.526	0.120	0.023	0.001	0.047	0	0	0	---	---	0.090	1966
1967	---	---	0.007	0.461	0.418	0.004	0.088	0.136	0	0	---	---	0.139	1967
1968	---	---	0.024	0	0	0	0.072	0.019	0.243	0.005	---	---	0.045	1968
1969	---	---	0	3.32	0.214	0.096	0.029	0.001	0.084	0.143	---	---	0.477	1969
1970	---	---	0.002	0.729	2.62	0.339	0.174	0.001	0	0	---	---	0.484	1970
1971	---	---	0.003	0.768	0.390	0.055	0.085	0.155	0.149	0.017	---	---	0.201	1971
1972	0	0	0.841	0.246	0	0	0	0.099	0.122	0	0	0	0.164	1972
MEAN	0	0	0.126	0.577	0.371	0.099	0.055	0.051	0.052	0.017	0	0	0.168	MEAN

LOCATION - LAT 49 29 37 N
LONG 103 42 13 W
DRAINAGE AREA, 254 km^2
REGULATED

ROUGHBARK CREEK BELOW ROUGHBARK RESERVOIR - STATION NO. 05NB023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	2.49 ON MAY 23	0 ON MAR 01 *	3 050	1944
1960	---	10.5 B ON APR 01	0B ON MAR 01	4 920	1960
1961	---	0.756A ON SEP 12	0A ON MAR 01	152	1961
1962	0.977 AT 13:00 CST ON MAY 05	0.929 ON MAY 05	0B ON MAR 01	421	1962
1963	0.745 AT 07:00 CST ON AUG 25	0.634 ON AUG 24	0B ON MAR 01	318	1963
1964	1.74 AT 18:00 CST ON JUL 23	1.32 ON JUL 23	0B ON MAR 01	1 110	1964
1965	4.64 AT 10:00 CST ON MAY 09	4.36 ON MAY 09	0B ON MAR 01	5 850	1965
1966	---	1.46 B ON MAR 17	0B ON MAR 01	1 910	1966
1967	1.59 AT 18:30 CST ON MAY 05	1.57 ON MAY 05	0B ON MAR 01	2 940	1967
1968	0.977 AT 20:00 CST ON JUL 26	0.943 ON JUL 26	0B ON MAR 01	952	1968
1969	27.2 B AT 13:40 CST ON APR 11 *	25.3 ON APR 12 *	0B ON MAR 01	10 100	1969
1970	13.8 AT 07:00 CST ON MAY 05	12.6 ON MAY 05	0B ON MAR 01	10 300	1970
1971	---	2.12 E ON APR 11	0E ON MAR 20	4 260	1971
1972	---	4.25 E ON MAR 21	0B ON MAR 01	3 470	1972
				3 550	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RUSHLAKE CREEK ABOVE HIGHFIELD RESERVOIR - STATION NO. 05JC004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	---	0.036	0.019	---	---	---	1965
1966	---	---	2.29	0.062	0.038	0.081	0.010	0	0	0	---	---	0.316	1966
1967	---	---	0.619	1.77	0.550	0.023	0	0	0	0	---	---	0.368	1967
1968	---	---	1.16	0.113	0.030	0.001	0	0	0	0	---	---	0.165	1968
1969	---	---	0.250	4.54	0.108	0.005	0.004	0	0	0	---	---	0.603	1969
1970	---	---	1.45	2.52	0.107	0.908	0.067	0	0	0	---	---	0.625	1970
1971	---	---	0.201	3.24	0.019	0.002	0	0	0	0	---	---	0.424	1971
1972	---	---	0.343	0.010	0.030	0.003	0	0	0	0	---	---	0.049	1972
1973	---	---	0.115	0.026	0.014	0	0	0	0	0	---	---	0.020	1973
1974	---	---	0.031	3.57	0.466	0.021	0	0	0	0	---	---	0.503	1974
1975	---	---	0.044	2.23	0.257	0.034	0.001	0	0	0.001	---	---	0.315	1975
1976	---	---	3.98	0.496	0.021	0.011	0.009	0	0	0	---	---	0.570	1976
1977	---	---	0	0.004	0.021	0.005	0	0	0	0	---	---	0.004	1977
1978	---	---	1.24	0.501	0.109	0.011	0	0	0	0	---	---	0.214	1978
1979	---	---	1.29	0.825	0.227	0.009	0	0	0	0	---	---	0.294	1979
1980	---	---	1.18	0.091	0.001	0.001	0	0	0	0	---	---	0.160	1980
1981	---	0.558	0.036	0.025	0.002	0.007	0.004	0	0	0	---	---	0.009	1981
1982	---	---	1.90	1.69	0.074	0.192	0.739	0.208	0.002	0.009	---	---	0.601	1982
1983	---	---	1.54	0.413	0.225	0.007	0.079	0	0	0	---	---	0.284	1983
1984	---	---	0.028	0.004	0.002	0.002	0	0	0	0	---	---	0.005	1984
1985	---	0	0.979	0.208	0.003	0	0	0	0	0	---	---	0.150	1985
1986	---	1.41	0.541	0.008	0.167	0.003	0.005	0	0	0.001	---	---	0.092	1986
1987	---	---	0.143	0.050	0.003	0	0	0	0	0	---	---	0.025	1987
1988	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.660	1.99	0.020	1.53	0.010	0	0	0	---	---	0.519	1989
1990	---	---	0.776	0.067	0.070	0.012	0	0	0	0	---	---	0.117	1990
MEAN	---	0.656	0.832	0.978	0.103	0.115	0.037	0.008	0.001	0.001	---	---	0.258	MEAN

LOCATION - LAT 50 15 12 N DRAINAGE AREA, 325 km²
LONG 107 28 06 W NATURAL FLOW

RUSHLAKE CREEK ABOVE HIGHFIELD RESERVOIR - STATION NO. 05JC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	0 ON AUG 21 *	---	1965
1966	14.0 B AT 12:00 CST ON MAR 11	11.9 B ON MAR 11	0 ON JUL 12	6 690	1966
1967	19.7 AT 09:00 CST ON APR 11	12.1 ON APR 11	0B ON MAR 01	7 790	1967
1968	8.27 B AT 12:00 CST ON MAR 01	6.65 B ON MAR 01	0 ON JUN 05	3 490	1968
1969	77.9 AT 02:00 CST ON APR 06 *	37.7 ON APR 06 *	0 ON JUL 04	12 800	1969
1970	30.9 AT 06:36 CST ON APR 07	18.6 ON APR 07	0 ON AUG 05	13 200	1970
1971	29.2 AT 06:41 CST ON APR 07	18.9 ON APR 07	0B ON MAR 01	8 980	1971
1972	2.15 AT 14:37 CST ON MAR 17	1.84 ON MAR 17	0B ON MAR 01	1 030	1972
1973	0.824B AT 10:39 CST ON MAR 06	0.518B ON MAR 05	0 ON JUN 07	413	1973
1974	18.5 AT 06:47 CST ON APR 12	12.3 ON APR 12	0B ON MAR 01	10 600	1974
1975	22.1 AT 08:56 CST ON APR 20	14.5 ON APR 20	0B ON MAR 01	6 670	1975
1976	45.3 B AT 10:13 CST ON MAR 19	30.0 B ON MAR 19	0B ON MAR 01	12 100	1976
1977	0.263 AT 17:02 CST ON MAY 20	0.156 ON MAY 21	0B ON MAR 01	79.8	1977
1978	7.28 B AT 16:49 CST ON MAR 27	5.41 B ON MAR 27	0B ON MAR 01	4 950	1978
1979	11.3 B AT 13:50 CST ON MAR 17	8.36 B ON MAR 17	0B ON MAR 01	6 230	1979
1980	14.5 B AT 13:33 CST ON MAR 19	8.00 B ON MAR 19	0B ON MAR 01	3 390	1980
1981	---	0.106 ON MAR 28	0 ON MAY 23	195	1981
1982	18.3 AT 19:50 CST ON JUL 02	13.4 B ON APR 12	0 ON SEP 18	12 700	1982
1983	19.4 AT 13:04 CST ON MAR 30	13.2 B ON MAR 30	0 ON JUN 20	6 020	1983
1984	0.277B AT 01:00 CST ON MAR 23	0.163B ON MAR 22	0B ON MAR 01	98.2	1984
1985	5.11 AT 10:37 CST ON MAR 18	4.41 B ON MAR 15	0 ON JUN 01	3 170	1985
1986	35.8 B AT 07:37 CST ON FEB 26	3.91 B ON MAR 01	0 ON JUN 26	1 940	1986
1987	2.32 B AT 18:29 CST ON MAR 05	1.71 B ON MAR 05	0B ON MAR 01	519	1987
1988	0.044 AT 20:18 CST ON JUL 05	0.005B ON MAR 03	0B ON MAR 01	3.37	1988
1989	45.6 AT 00:12 CST ON JUN 12	20.2 ON JUN 12	0B ON MAR 01	11 000	1989
1990	4.10 B AT 14:50 CST ON MAR 02	3.24 B ON MAR 05	0 ON JUN 26	2 470	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 460	MEAN

RUSSELL CREEK NEAR VANGUARD - STATION NO. 05JB002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.242	1.17	0.071	0.024	---	---	---	---	---	---	---	1944
1945	---	---	0.608	0.062	0.067	0.083	---	---	---	---	---	---	---	1945
1946	---	---	0.967	0.069	0.080	0.125	---	---	---	---	---	---	---	1946
1947	---	---	0	0.479	0.079	0.121	---	---	---	---	---	---	---	1947
1948	---	---	0.743	1.51	0.149	0.054	---	---	---	---	---	---	---	1948
1949	---	---	0.200	0.347	0.029	0.007	---	---	---	---	---	---	---	1949
1950	---	---	0	2.93	0.110	0.054	---	---	---	---	---	---	---	1950
1951	---	---	0	2.38	0.357	0.204	---	---	---	---	---	---	---	1951
1952	---	---	0.005	6.43	0.091	0.001	---	---	---	---	---	---	---	1952
1953	---	---	1.63	0.938	0.252	0.144	---	---	---	---	---	---	---	1953
1954	---	---	0	1.93	0.129	0.313	---	---	---	---	---	---	---	1954
1955	---	---	0.290	1.98	0.422	0.043	---	---	---	---	---	---	---	1955
1956	---	---	0.135	0.320	0.218	0.137	---	---	---	---	---	---	---	1956
1957	---	---	0.735	0.100	0.125	0.108	0.037	0.001	0.009	0.013	---	---	0.142	1957
1958	---	---	0.307	1.80	0.045	0.106	0.019	0.001	0	0.001	---	---	0.281	1958
1959	---	---	0.104	0.002	0.033	0.120	0.016	0.045	0.023	0.006	---	---	0.044	1959
1960	---	---	1.75	0.170	0.039	0.498	0.052	0	0.009	0.025	---	---	0.318	1960
1961	---	---	0.087	0.046	0.005	0.036	0	0	0.028	0.002	---	---	0.025	1961
1962	---	---	0.122	0.665	0.010	0.001	0.045	0.005	0.012	0.013	---	---	0.108	1962
1963	---	---	0.541	0.211	0.027	0.151	0	0	0.011	0	---	---	0.118	1963
1964	---	---	0.001	0.341	0.035	0.092	0.011	0.051	0	0	---	---	0.065	1964
1965	---	---	0	1.96	0.048	0.053	0.206	0.086	0	0.019	---	---	0.291	1965
1966	---	---	1.40	0.270	0.073	0.023	0	0.067	0.042	0.011	---	---	0.237	1966
1967	---	---	0.004	2.00	0.383	0.070	0.030	0.015	0.021	0.010	---	---	0.312	1967
1968	---	---	0.451	0.075	0.055	0.030	0.018	0.007	0.009	0.014	---	---	0.083	1968
1969	---	---	0	3.47	0.188	0.061	1.03	0.080	0.064	0.023	---	---	0.607	1969
1970	---	---	0.018	3.52	0.112	0.074	0.038	0	0.008	0.009	---	---	0.463	1970
1971	---	---	0	2.08	0.087	0.014	0.022	0.003	0.006	0.012	---	---	0.272	1971
1972	---	---	0.021	0.027	0.001	0.009	0	0	0	0.027	---	---	0.011	1972
1973	---	---	0.001	0.002	0.012	0.011	0	0	0	0	---	---	0.003	1973
1974	---	---	0	3.27	0.544	0.015	0.007	0.004	0.001	0.070	---	---	0.481	1974
1975	---	---	0.001	0.800	0.876	0.031	0.019	0.021	0	0	---	---	0.218	1975
1976	---	---	2.09	1.01	0.018	0.048	0.002	0	0	0	---	---	0.396	1976
1977	---	---	0	0.004	0.001	0.001	0.009	0	0	0	---	---	0.002	1977
1978	---	---	0.193	1.15	0.071	0.007	0.001	0	0	0	---	---	0.175	1978
1979	---	---	0.206	1.46	0.347	0.033	0.016	0.001	0	0	---	---	0.255	1979
1980	---	---	0.042	0.034	0.068	0	0	0	0	0.002	---	---	0.018	1980
1981	---	0.019	0.004	0.031	0.066	0.020	0.002	0	0	0	---	---	0.015	1981
1982	---	---	0.039	1.34	0.128	0.158	0.195	0	0.028	0.026	---	---	0.236	1982
1983	---	---	0.094	1.12	0.129	0.015	0	0	0	0	---	---	0.167	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0.005	---	---	0.001	1985
1986	---	0	0.057	0.337	0.133	0.157	0.001	0	0	0	---	---	0.085	1986
1987	---	0.002	0.025	0.025	0.084	---	---	---	---	---	---	---	---	1987
MEAN	---	0.007	0.298	1.09	0.132	0.076	0.059	0.013	0.009	0.010	---	---	0.181	MEAN

LOCATION - LAT 49 54 18 N DRAINAGE AREA, 313 km²
LONG 107 22 16 W REGULATED SINCE 1951

RUSSELL CREEK NEAR VANGUARD - STATION NO. 05JB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	7.19 B ON APR 01	OB ON MAR 01 *	---	1944
1945	---	6.71 B ON MAR 13	OB ON MAR 01	---	1945
1946	---	4.76 B ON MAR 14	OB ON MAR 01	---	1946
1947	---	2.12 B ON APR 13	OB ON MAR 01	---	1947
1948	---	10.4 ON APR 18	OB ON MAR 01	---	1948
1949	---	1.53 B ON APR 01	OB ON MAR 01	---	1949
1950	---	17.3 ON APR 16	OB ON MAR 01	---	1950
1951	---	8.21 B ON APR 10	OB ON MAR 01	---	1951
1952	---	24.9 E ON APR 14	OB ON MAR 01	---	1952
1953	---	15.5 ON MAR 30	0 ON JUN 19	---	1953
1954	---	12.1 ON APR 11	OB ON MAR 01	---	1954
1955	---	8.50 B ON APR 02	OB ON MAR 01	---	1955
1956	---	1.44 B ON MAR 28	OB ON MAR 01	---	1956
1957	---	5.41 ON MAR 24	OB ON MAR 01	3 000	1957
1958	---	23.8 ON APR 01	OB ON MAR 01	5 940	1958
1959	0.963B AT 08:00 CST ON MAR 11	0.765B ON MAR 09	OB ON MAR 01	926	1959
1960	15.0 ON MAR 28	11.9 ON MAR 28	OB ON MAR 01	6 740	1960
1961	---	0.394 ON JUN 16	0 ON APR 20	539	1961
1962	---	3.20 B ON APR 06	OB ON MAR 01	2 280	1962
1963	---	6.40 B ON MAR 25	OB ON MAR 01	2 490	1963
1964	---	1.11 ON APR 18	OB ON MAR 01	1 380	1964
1965	---	14.6 ON APR 14	OB ON MAR 01	6 170	1965
1966	11.4 B AT 03:00 ON MAR 13	9.43 B ON MAR 13	OB ON MAR 01	5 030	1966
1967	8.21 B AT 12:30 ON APR 12	7.08 B ON APR 12	OB ON MAR 01	6 610	1967
1968	2.32 B AT 07:00 ON MAR 03	1.81 B ON MAR 03	0 ON MAR 16	1 750	1968
1969	22.8 AT 04:30 ON APR 07	19.3 ON APR 07	OB ON MAR 01	12 800	1969
1970	30.9 AT 10:50 CST ON APR 08 *	28.6 ON APR 08 *	OB ON MAR 01	9 810	1970
1971	11.7 B AT 13:40 CST ON APR 09	10.0 B ON APR 09	OB ON MAR 01	5 770	1971
1972	0.181B AT 12:50 CST ON MAR 18	0.105B ON MAR 18	OB ON MAR 01	224	1972
1973	0.031 AT 18:14 CST ON MAY 18	0.028 ON MAY 19	OB ON MAR 01	69.9	1973
1974	15.2 AT 06:56 CST ON APR 13	12.6 ON APR 13	OB ON MAR 01	10 200	1974
1975	6.51 AT 08:04 CST ON MAY 01	5.61 ON MAY 01	OB ON MAR 01	4 610	1975
1976	23.7 B AT 01:43 CST ON MAR 20	21.7 B ON MAR 20	OB ON MAR 01	8 380	1976
1977	0.045 AT 12:55 CST ON JUL 21	0.042 ON JUL 21	OB ON MAR 01	40.6	1977
1978	11.3 AT 06:55 CST ON APR 12	7.76 B ON APR 08	OB ON MAR 01	3 700	1978
1979	8.22 AT 11:27 CST ON APR 26	6.09 ON APR 26	OB ON MAR 01	5 390	1979
1980	1.13 AT 08:24 CST ON MAY 02	1.02 ON MAY 02	OB ON MAR 01	386	1980
1981	0.272B AT 11:32 CST ON FEB 22	0.119 ON MAY 16	OB ON MAR 19	322	1981
1982	12.0 AT 06:12 CST ON APR 20	9.49 ON APR 20	OB ON MAR 01	5 000	1982
1983	5.00 AT 18:40 CST ON APR 01	3.83 ON APR 02	0 ON JUL 01	3 530	1983
1984	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1984
1985	0.033 AT 15:49 CST ON OCT 05	0.032 ON OCT 06	OB ON MAR 01	13.0	1985
1986	---	2.50 ON APR 18	0 ON JUL 05	1 790	1986
1987	---	---	OB ON MAR 01	---	1987
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 830	MEAN

SALINE CREEK NEAR NOKOMIS - STATION NO. 05JJ009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.148	0.377	0.051	0.001	0	0	0	0	---	---	0.071	1972
1973	---	---	0.011	0.023	0.046	0.318	0.012	0	0	0	---	---	0.052	1973
1974	---	---	0	2.88	1.01	0.245	0.001	0.003	0.006	0.002	---	---	0.513	1974
1975	---	---	0	0.566	0.378	0.022	0.004	0.001	0.001	0.001	---	---	0.121	1975
1976	---	---	0	0.964	0.080	0.100	0.014	0.002	0.001	0.002	---	---	0.143	1976
1977	---	---	0	0.001	0.125	0.076	0	0	0	0	---	---	0.025	1977
1978	---	---	0.025	0.195	0.043	0.016	0.001	0	0.001	0.001	---	---	0.035	1978
1979	---	---	0	0.991	0.325	0.071	0	0	0	0	---	---	0.171	1979
1980	---	---	0	0.259	0.002	0	0	0	0	0	---	---	0.032	1980
1981	---	0	0	0	0	0.001	0	0	0	0.016	---	---	0.002	1981
1982	---	---	0	0.558	0.123	0.170	0.145	0.002	0	0	---	---	0.123	1982
1983	---	---	0	0.068	0.102	0.023	0.277	0.097	0	0	---	---	0.071	1983
1984	---	---	0.014	0.087	0.014	0.001	0	0	0	0	---	---	0.014	1984
1985	---	---	0	2.24	0.324	0.071	0.002	0	0	0	---	---	0.325	1985
1986	---	---	0.020	0.111	0.090	0	0.002	0	0	0.001	---	---	0.028	1986
1987	---	---	0.010	0.104	0.009	0	0	0	0	0	---	---	0.015	1987
1988	---	---	0.001	0.002	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.006	0	0	0	0	0	0	---	---	0.001	1989
1990	---	---	0.035	0.169	0.018	0	0	0	0	0	---	---	0.027	1990
MEAN	---	0	0.014	0.506	0.144	0.059	0.024	0.006	0	0.001	---	---	0.093	MEAN

LOCATION - LAT 51 24 58 N DRAINAGE AREA, 950 km^2
LONG 105 06 10 W NATURAL FLOW

SALINE CREEK NEAR NOKOMIS - STATION NO. 05JJ009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	0.920 AT 02:33 CST ON APR 11	0.869 ON APR 11	0B ON MAR 01 *	1 510	1972
1973	0.799 AT 17:44 CST ON JUN 07	0.756 ON JUN 05	0B ON MAR 01	1 090	1973
1974	13.1 AT 00:02 CST ON APR 21 *	12.1 ON APR 21 *	0B ON MAR 01	10 900	1974
1975	1.97 B AT 12:07 CST ON APR 18	1.70 B ON APR 17	0B ON MAR 01	2 560	1975
1976	3.20 AT 01:32 CST ON APR 10	2.97 ON APR 09	0B ON MAR 01	3 020	1976
1977	0.606 AT 23:31 CST ON MAY 28	0.541 ON MAY 28	0B ON MAR 01	533	1977
1978	0.603B AT 09:04 CST ON APR 04	0.433B ON APR 04	0B ON MAR 01	738	1978
1979	4.80 B AT 08:36 CST ON APR 20	4.04 B ON APR 20	0B ON MAR 01	3 620	1979
1980	0.807 AT 21:40 CST ON APR 09	0.763 ON APR 09	0B ON MAR 01	676	1980
1981	0.067 AT 05:46 CST ON OCT 25	0.059 ON OCT 25	0B ON MAR 01	47.2	1981
1982	2.36 AT 09:24 CST ON APR 15	2.20 ON APR 15	0B ON MAR 01	2 610	1982
1983	0.902 AT 02:55 CST ON JUL 22	0.830 ON JUL 22	0B ON MAR 01	1 510	1983
1984	0.215 AT 02:39 CST ON APR 18	0.163 ON APR 17	0B ON MAR 01	305	1984
1985	5.72 AT 23:54 CST ON APR 05	5.37 B ON APR 05	0B ON MAR 01	6 870	1985
1986	0.307 AT 01:56 CST ON APR 05	0.269 ON APR 04	0B ON MAR 01	590	1986
1987	0.324 AT 04:20 CST ON APR 12	0.274 ON APR 12	0B ON MAR 01	323	1987
1988	0.023B AT 15:48 CST ON APR 02	0.017B ON APR 02	0B ON MAR 01	8.90	1988
1989	0.058B AT 19:58 CST ON APR 02	0.047B ON APR 02	0B ON MAR 01	16.3	1989
1990	0.457 AT 22:01 CST ON APR 06	0.420 ON APR 08	0B ON MAR 01	582	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 970	MEAN

SANDY CREEK NEAR CARON - STATION NO. 05JG001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	0.014	0.017	0.023	0.020	0.012	---	1915
1916	0.009	0.009	---	---	0.066	0.061	0.054	0.016	0.017	---	---	---	---	1916
1978	---	---	0.190	0.103	0.007	0	0	0	0	0	---	---	0.037	1978
1979	---	---	0.272	0.825	0.025	0	0	0	0	0	---	---	0.139	1979
1980	---	---	0.046	0.343	0	0	0	0	0	0	---	---	0.048	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	1.85	0.064	0.049	0	0	0	0	---	---	0.240	1982
1983	---	---	0.307	0.388	0.003	0	0	0	0	0	---	---	0.087	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	0	0.479	0.137	0	0	0	0	0	0	---	---	0.077	1985
1986	---	0.052	0.260	0	0.003	0	0	0	0	0	---	---	0.033	1986
1987	---	---	0.068	0.085	0	0	0	0	0	0	---	---	0.019	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.004	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0	0	0.009	0.035	0.031	0	0	---	---	0.009	1990
MEAN	0.009	0.015	0.125	0.287	0.012	0.009	0.006	0.004	0.002	0.002	0.020	0.012	0.053	MEAN

LOCATION - LAT 50 27 09 N LONG 106 01 45 W DRAINAGE AREA, 679 km^2 NATURAL FLOW

REMARKS - RECORDS COLLECTED IN SE29-17-29-W3 IN 1915-17

SANDY CREEK NEAR CARON - STATION NO. 05JG001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1978	1.43 AT 01:49 CST ON MAR 29	1.16 ON MAR 28	0B ON MAR 01 *	793	1978
1979	5.56 AT 04:04 CST ON APR 19	5.01 ON APR 19	0B ON MAR 01	2 930	1979
1980	2.28 B AT 09:12 CST ON APR 01	2.08 B ON APR 01	0B ON MAR 01	1 010	1980
1981	---	0 ON MAR 01	0 ON MAR 01	0	1981
1982	10.9 AT 71:26 CST ON APR 14 *	10.6 ON APR 14 *	0B ON MAR 01	5 090	1982
1983	3.84 B AT ..:30 CST ON APR 01	3.47 B ON APR 01	0B ON MAR 01	1 840	1983
1984	0.005 AT 19:56 CST ON MAR 31	0.004 ON MAR 31	0 ON MAR 01	1.30	1984
1985	2.41 B AT 14:44 CST ON MAR 19	2.27 B ON MAR 19	0B ON MAR 01	1 640	1985
1986	1.65 AT 12:24 CST ON MAR 01	1.57 ON MAR 01	0 ON MAR 26	703	1986
1987	0.483 AT 14:25 CST ON APR 02	0.432 ON APR 02	0B ON MAR 01	403	1987
1988	---	0 ON MAR 01	0 ON MAR 01	0	1988
1989	0.028 AT 19:48 CST ON APR 04	0.019B ON APR 04	0B ON MAR 01	10.3	1989
1990	0.609 AT 20:15 CST ON JUL 30	0.536 ON JUL 31	0 ON MAR 01	201	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 120	MEAN

SASKATCHEWAN RIVER ABOVE SIPANOK CHANNEL - STATION NO. 05KD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	2 040	1 460	---	---	---	---	---	---	1954
1955	---	---	---	---	1 130	1 450	1 280	657	---	---	---	---	---	1955
1956	---	---	---	---	---	1 410	1 080	---	---	---	---	---	---	1956
MEAN	---	---	---	---	1 130	1 630	1 270	657	---	---	---	---	---	MEAN

LOCATION - LAT 53 42 50 N LONG 103 16 00 W DRAINAGE AREA, 287 000 km² DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

SASKATCHEWAN RIVER ABOVE SIPANOK CHANNEL - STATION NO. 05KD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	3 400 ON JUN 14 *	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SASKATCHEWAN RIVER AT NIPAWIN - STATION NO. 05KD001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	---	---	---	---	---	---	---	407	378	143	173	---	1945
1946	140	130	205	573	450	1 300	1 200	536	484	338	228	131	635	1946
1947	129	107	149	981	1 110	1 260	1 020	572	511	486	343	202	772	1947
1948	160	122	126	839	3 360	3 040	1 440	1 080	566	---	---	---	---	1948
1951	---	---	---	---	---	---	1 900	966	1 110	677	---	---	---	1951
1952	---	---	---	1 850	892	1 350	1 730	1 030	543	367	---	---	---	1952
1953	---	---	---	---	1 050	2 820	1 690	927	667	302	---	---	---	1953
1954	---	---	162	406	1 160	2 370	1 610	1 090	2 160	824	---	---	1 220	1954
1955	---	---	115	1 020	1 200	1 400	1 230	620	338	263	---	---	772	1955
1956	---	---	131	1 100	926	1 280	1 040	729	471	300	---	---	743	1956
1957	---	---	187	643	969	979	575	420	388	269	---	---	552	1957
1958	---	---	149	828	801	1 210	1 220	636	414	260	---	---	691	1958
1959	---	---	144	476	416	1 180	1 290	662	390	379	---	---	616	1959
1960	---	---	141	885	567	847	1 070	630	286	216	---	---	580	1960
1961	---	---	133	451	329	1 230	562	600	341	213	---	---	480	1961
1962	---	---	157	586	469	755	764	578	345	206	---	---	481	1962
MEAN	143	120	158	818	979	1 500	1 220	740	589	365	238	169	686	MEAN

LOCATION - LAT 53 22 00 N LONG 104 02 20 W DRAINAGE AREA, 287 000 km² REGULATED

SASKATCHEWAN RIVER AT NIPAWIN - STATION NO. 05KD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	---	---	---	---	1945
1946	---	1 970 ON JUN 17	121 B ON MAR 03	13 400 000	1946
1947	---	2 190 ON JUN 20	114 B ON MAR 24	16 300 000	1947
1948	---	4 840 ON JUN 01	---	---	1948
1951	---	---	---	---	1951
1952	---	3 650 ON JUN 30	---	---	1952
1953	4 930 AT 06:45 ON JUN 16 *	4 870 ON JUN 16 *	---	---	1953
1954	4 080 AT 08:30 ON JUN 13	4 020 ON JUN 13	139 B ON MAR 26	25 800 000	1954
1955	---	1 770B ON APR 12	96.3B ON MAR 05 *	16 300 000	1955
1956	---	2 550B ON APR 23	119 B ON MAR 29	15 700 000	1956
1957	1 310 AT 09:00 ON MAY 30	1 300 ON MAY 30	112 B ON MAR 04	11 700 000	1957
1958	1 690 AT 14:00 ON JUL 07	1 680 ON JUL 07	121 B ON MAR 10	14 600 000	1958
1959	---	2 370 ON JUL 07	121 B ON MAR 01	13 000 000	1959
1960	---	1 500 ON JUL 11	98.0B ON MAR 22	12 300 000	1960
1961	---	1 670 ON JUN 06	98.8B ON MAR 06	10 200 000	1961
1962	---	1 030B ON APR 23	143 B ON MAR 18	10 200 000	1962
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 500 000	MEAN

SASKATCHEWAN RIVER BELOW CUMBERLAND HOUSE - STATION NO. 05KH010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	1 890	---	---	---	---	---	---	1954
1955	---	---	---	---	1 760	1 740	1 560	---	---	---	---	---	---	1955
MEAN	---	---	---	---	1 760	1 740	1 730	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 53 00 N LONG 101 56 00 W DRAINAGE AREA, 328 000 km² DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

SASKATCHEWAN RIVER BELOW CUMBERLAND HOUSE - STATION NO. 05KH010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	---	---	---	---	1955
				---	MEAN

SASKATCHEWAN RIVER BELOW TOBIN LAKE - STATION NO. 05KD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	---	---	---	314	20.8	106	83.9	---	1962
1963	70.8	70.8	83.3	640	512	1 700	978	687	398	262	146	113	390	1963
1964	170	179	176	383	649	1 270	1 110	426	265	350	198	130	443	1964
1965	172	162	184	491	924	1 620	2 120	935	586	685	256	261	703	1965
1966	251	242	343	784	710	968	1 080	626	326	206	125	67.8	478	1966
1967	286	400	367	291	678	945	869	466	336	236	122	223	435	1967
1968	413	182	263	381	215	324	449	419	302	254	258	320	316	1968
1969	501	483	423	701	701	584	1 420	731	444	346	256	322	578	1969
1970	488	484	300	483	555	497	801	584	275	269	288	350	448	1970
1971	456	515	484	632	748	801	736	608	280	228	268	342	508	1971
1972	535	479	578	731	662	823	1 130	768	387	419	270	364	597	1972
1973	473	505	393	519	501	528	493	309	357	286	287	377	418	1973
1974	510	568	555	1 060	1 510	1 080	800	485	390	336	278	314	657	1974
1975	471	514	454	470	686	720	661	278	238	292	399	407	466	1975
1976	507	442	399	254	278	288	276	434	321	394	311	414	377	1976
1977	510	405	274	291	318	450	274	272	338	228	204	344	325	1977
1978	421	338	324	242	439	675	688	585	499	481	308	385	456	1978
1979	485	561	556	475	834	450	286	282	178	173	190	237	392	1979
1980	299	521	379	498	276	830	636	1 352	307	365	314	326	424	1980
1981	464	400	364	559	463	847	649	1 030	542	388	397	296	534	1981
1982	494	496	468	461	516	467	710	399	312	353	291	333	442	1982
1983	470	511	398	477	518	310	512	266	216	238	243	246	367	1983
1984	314	278	256	438	289	269	239	167	222	221	177	248	260	1984
1985	207	258	314	709	546	349	235	156	203	183	208	353	310	1985
1986	407	386	403	503	453	513	958	635	383	599	334	431	502	1986
1987	443	565	552	582	366	267	234	250	270	240	246	247	354	1987
1988	344	352	205	331	195	176	288	234	230	237	192	265	254	1988
1989	271	313	219	354	371	326	345	480	431	254	250	367	332	1989
1990	398	417	522	573	625	1 280	1 310	551	340	372	353	326	589	1990
MEAN	387	394	366	521	555	656	725	472	341	307	251	293	441	MEAN

LOCATION - LAT 53 42 10 N
LONG 103 17 50 W

DRAINAGE AREA, 289 000 km^2
REGULATED

SASKATCHEWAN RIVER BELOW TOBIN LAKE - STATION NO. 05KD003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	---	---	1962
1963	---	1 610E ON JUL 31	28.9 E ON NOV 07	12 300 000	1963
1964	---	2 290E ON JUN 29	57.8 E ON DEC 22	14 000 000	1964
1965	---	2 790E ON JUN 29	75.9 ON NOV 28	22 200 000	1965
1966	---	1 960 ON JUL 14	0 ON DEC 25 *	15 100 000	1966
1967	---	1 010 ON MAY 03	4.5J ON JAN 01	13 700 000	1967
1968	---	801 ON JUN 19	20.3 ON JUN 09	9 990 000	1968
1969	---	2 440E ON JUL 07	35.4 ON NOV 30	18 200 000	1969
1970	1 460 AT 10:28 CST ON JUL 20	1 010 ON JUL 13	23.9 ON APR 12	14 100 000	1970
1971	2 550 AT 14:11 CST ON FEB 05	926 ON JUN 25	149 ON OCT 10	16 000 000	1971
1972	2 030 AT 06:08 CST ON JUL 02	1 750 ON JUL 02	35.4 ON DEC 10	18 900 000	1972
1973	1 020 AT 17:23 CST ON JAN 10	858 ON SEP 22	50.6 ON SEP 16	13 200 000	1973
1974	3 940 AT 23:20 CST ON APR 24 *	3 450 ON APR 25 *	56.6 ON OCT 13	20 700 000	1974
1975	1 510 AT 09:15 CST ON JUN 28	1 340 ON JUN 28	28.9 ON AUG 31	14 700 000	1975
1976	---	966 ON SEP 14	36.8 ON JUL 31	11 900 000	1976
1977	1 140 AT 21:48 CST ON DEC 08	782 ON JAN 21	9.91 ON AUG 21	10 300 000	1977
1978	---	951E ON APR 24	98.8 ON NOV 25	14 400 000	1978
1979	---	1 000E ON MAY 06	10.0 E ON JUL 15	12 300 000	1979
1980	---	1 030 ON JUN 07	150 ON JUL 28	13 400 000	1980
1981	---	1 490E ON AUG 02	155 ON MAY 17	16 800 000	1981
1982	1 100 AT 18:34 CST ON JUL 22	978 ON JUL 14	157 ON NOV 15	13 900 000	1982
1983	* ---	849 ON APR 28	160 E ON SEP 25	11 600 000	1983
1984	---	667 ON APR 18	135 E ON AUG 28	8 210 000	1984
1985	1 440 AT 15:08 CST ON DEC 08	1 100 ON APR 23	140 ON AUG 11	9 780 000	1985
1986	2 490 AT 14:05 CST ON JUL 20	1 990 ON JUL 21	161 ON NOV 22	15 800 000	1986
1987	1 230 AT 09:39 CST ON MAR 27	784 ON APR 23	139 ON JUN 25	11 100 000	1987
1988	1 100 AT 22:01 CST ON DEC 22	655 ON FEB 04	98.1 ON MAY 23	8 030 000	1988
1989	1 080 AT 22:20 CST ON APR 27	735 ON AUG 10	146 ON MAR 30	10 500 000	1989
1990	2 100 AT 14:19 CST ON JUL 08	2 100 ON JUL 08	151 ON OCT 08	18 600 000	1990
				13 900 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATCHEWAN RIVER NEAR MANITOBA BOUNDARY - STATION NO. 05KH008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	432	476	415	911	966	648	1 280	928	583	513	314	287	648	1969
1970	---	---	---	---	---	686	---	---	---	378	---	---	---	1970
1971	---	558	---	---	1 040	840	867	796	432	448	417	349	---	1971
1972	---	423	491	822	1 350	915	1 250	1 010	562	520	341	290	---	1972
1973	473	520	503	691	913	---	---	---	---	461	328	387	---	1973
1974	493	545	614	946	2 230	1 650	1 220	868	783	665	517	434	915	1974
1975	494	634	604	637	1 060	983	940	555	416	401	411	341	623	1975
1976	442	544	543	788	431	533	583	447	466	460	298	316	452	1976
1977	447	498	562	519	439	579	409	362	436	352	238	270	410	1977
1978	389	374	393	499	872	699	740	526	559	642	368	323	530	1978
1979	---	---	---	531	1 360	891	461	377	337	307	274	227	---	1979
1980	281	492	492	698	558	723	771	438	394	502	401	234	498	1980
1981	413	448	416	752	545	886	750	1 070	673	486	412	238	591	1981
1982	388	439	411	596	793	573	708	571	379	379	311	271	485	1982
MEAN	425	496	473	698	967	800	815	662	502	458	356	305	572	MEAN

LOCATION - LAT 53 53 10 N LONG 101 49 40 W DRAINAGE AREA, 328 000 km² REGULATED

SASKATCHEWAN RIVER NEAR MANITOBA BOUNDARY - STATION NO. 05KH008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	1 650 ON JUL 23	224B ON NOV 25	20 400 000	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	1 800B ON APR 29	212B ON DEC 02	---	1972
1973	---	---	---	---	1973
1974	---	2 400A ON MAY 01 *	377B ON DEC 31	28 900 000	1974
1975	---	1 190B ON MAY 01	255B ON NOV 26	19 700 000	1975
1976	---	1 130B ON APR 16	226 ON JUN 21	14 300 000	1976
1977	---	827B ON APR 21	159B ON NOV 22 *	12 900 000	1977
1978	---	1 380B ON MAY 01	215B ON NOV 20	16 700 000	1978
1979	---	1 700E ON MAY 07	---	---	1979
1980	1 050 AT 00:00 CST ON APR 21	999E ON APR 20	159B ON DEC 03	15 800 000	1980
1981	---	1 220E ON AUG 10	188B ON DEC 19	18 600 000	1981
1982	1 460 AT 09:55 CST ON APR 28 *	1 410 ON APR 28	203B ON NOV 22	15 300 000	1982
				18 100 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATCHEWAN RIVER OLD CHANNEL - STATION NO. 05KH009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	---	12.9	7.92	---	---	---	1970
1971	---	---	---	---	---	90.3	78.2	58.0	9.14	4.95	10.6	30.4	---	1971
1972	38.9	30.9	---	---	---	---	---	---	13.8	17.7	---	38.7	---	1972
1973	36.2	37.0	30.4	50.1	44.9	59.8	42.6	14.8	27.0	27.9	23.7	48.5	36.9	1973
1974	27.4	47.0	51.2	140	262	154	93.9	31.8	19.4	13.2	4.14	12.0	71.4	1974
1976	49.7	38.2	30.6	24.7	6.90	5.75	4.88	20.3	16.4	14.0	8.96	27.6	20.6	1976
1977	29.5	18.7	6.75	8.30	13.4	30.0	11.1	8.28	11.8	4.66	2.12	9.33	12.7	1977
1978	10.3	3.37	---	---	---	---	56.6	14.5	21.8	19.3	8.31	15.0	---	1978
1979	22.7	29.9	17.4	10.1	82.3	22.3	9.72	9.48	1.17	0.877	1.09	8.80	18.0	1979
1980	11.4	23.9	14.7	23.1	6.65	89.2	55.1	14.1	7.22	11.2	10.6	27.7	24.5	1980
1981	31.3	10.7	8.28	12.4	29.5	95.2	50.6	123	25.2	9.48	8.80	23.3	36.0	1981
1982	24.7	16.5	15.1	16.7	25.3	15.7	58.7	14.3	6.67	10.6	7.28	18.0	19.1	1982
1983	19.4	38.5	11.7	14.9	27.1	6.39	27.7	4.01	0.982	1.08	2.08	9.62	13.5	1983
1984	5.74	2.30	2.29	11.7	4.81	4.50	3.45	0.472	0.718	1.64	1.40	2.69	3.47	1984
1985	1.34	0.921	3.82	55.4	31.0	10.9	4.14	0.203	0.554	0.232	1.35	11.4	10.1	1985
1986	12.8	11.7	9.54	14.3	20.0	27.3	99.3	43.7	11.4	28.9	14.2	20.1	26.3	1986
1987	29.7	39.2	35.0	25.9	11.9	6.88	3.80	3.55	4.71	3.14	2.42	2.64	13.9	1987
1988	5.55	7.51	1.64	5.99	1.80	1.25	7.00	3.12	3.70	2.48	1.40	4.41	3.81	1988
1989	2.93	2.96	1.67	4.91	11.1	10.1	10.6	22.5	20.0	3.76	3.30	12.6	8.90	1989
1990	9.41	11.2	21.2	19.5	37.4	164	185	33.3	11.6	13.9	11.7	17.1	44.7	1990
MEAN	20.5	20.6	16.3	27.5	38.3	46.7	44.6	23.3	11.3	9.85	6.86	17.8	22.7	MEAN

LOCATION - LAT 53 48 50 N LONG 102 58 20 W REGULATED

SASKATCHEWAN RIVER OLD CHANNEL - STATION NO. 05KH009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	170 AT 04:18 CST ON APR 26 *	146 ON APR 26 *	1.14 ON AUG 10	1 160 000	1974
	623 AT 12:28 CST ON APR 25 *	558 ON APR 25 *	1.23 ON OCT 14	2 250 000	
1976	---	---	---	---	1976
1977	105 AT 03:18 CST ON JUN 07	104 RB ON DEC 30	0.059R ON AUG 03	653 000	1977
		75.3 ON JUN 07	0.016B ON MAR 31	401 000	
1978	---	---	0 B ON JAN 01 *	---	1978
1979	136 B AT 12:24 CST ON MAY 08	131 B ON MAY 08	0 B ON APR 14	567 000	1979
1980	131 AT 07:26 CST ON JUL 07	128 ON JUL 07	0.201B ON JAN 01	774 000	1980
1981	230 AT 02:49 CST ON AUG 10	214 ON AUG 03	0.431B ON OCT 29	1 130 000	1981
1982	128 AT 04:25 CST ON JUL 14	120 ON JUL 14	0.780 ON SEP 20	604 000	1982
1983	102 B AT 03:07 CST ON APR 29	88.4B ON APR 29	0.021 ON SEP 12	426 000	1983
1984	92.6 AT 23:00 CST ON APR 18	63.5B ON APR 18	0.039B ON FEB 23	110 000	1984
1985	159 AT 15:55 CST ON APR 23	156 ON APR 23	0.015B ON FEB 21	319 000	1985
1986	337 AT 06:20 CST ON JUL 22	325 ON JUL 22	0.713B ON APR 02	830 000	1986
1987	93.2B AT 01:56 CST ON FEB 26	64.0B ON FEB 27	0.036 ON AUG 09	439 000	1987
1988	50.2 AT 01:51 CST ON JUL 16	33.4B ON FEB 03	0.007B ON DEC 06	120 000	1988
1989	69.1 AT 03:23 CST ON SEP 06	47.5 ON AUG 28	0.052B ON NOV 06	281 000	1989
1990	348 AT 10:24 CST ON JUL 08	347 A ON JUL 08	0.591 ON OCT 01	1 410 000	1990
				717 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

SASKATOON S.E. PROJECT DIVERSION TO LITTLE MANITOU LAKE - STATION NO. 05JJ006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0	0	---	---	---	0.227	0	---	---	1968
1969	---	---	---	---	0	0	0	0.061	0.907	0.312	0	---	---	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	---	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0	0	0	0.191	0.152	0.032	0	0	---	---	0.047	1972
1973	---	---	0	0.248	0	0	0	0	0.150	0.027	---	---	0.052	1973
1974	---	---	0	0.090	0.042	0.045	0	0.032	0.057	0.007	---	---	0.034	1974
	---	---	---	---	0.036	0.054	0.056	0.061	0.060	0.021	---	---	---	
1975	---	---	---	---	---	0.008	---	---	---	---	---	---	---	1975
1976	---	---	---	---	---	0.013	0.029	0.041	---	---	---	---	---	1976
1977	---	---	---	---	---	0.025	0	0	0.026	---	---	---	---	1977
1978	---	---	---	---	0.062	0.030	0.088	0.080	0.038	0	---	---	0.031	1978
1979	---	---	0	0	0.008	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0.352	0.349	0	0.040	0.007	0	0	0	---	---	0.093	1981
1982	---	---	0	0	0.051	0.067	0	0	0	0	---	---	0.015	1982
1983	---	---	0.293	0.527	0	0	0	0	0	0	---	---	0.102	1983
1984	---	---	0.270	0.398	0.057	0.114	0	0	0.168	0.037	---	---	0.129	1984
MEAN	---	---	0.092	0.161	0.018	0.037	0.024	0.022	0.108	0.049	0	---	0.050	MEAN

LOCATION - LAT 51 45 21 N
LONG 105 38 56 W
REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT DIVERSION TO LITTLE MANITOU LAKE - STATION NO. 05JJ006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	0 ON MAY 01 *	---	1968
1969	---	1.22 ON OCT 03	0 ON MAY 01	---	1969
1970	---	---	0 ON SEP 09	---	1970
1971	---	0.674 ON JUL 24	0 ON MAR 01	986	1971
1972	---	1.04 ON APR 21	0 ON MAR 01	1 100	1972
1973	---	0.731 ON APR 18	0E ON MAR 01	715	1973
1974	---	0.547 ON MAY 14	0 ON MAY 01	---	1974
1975	---	---	0 ON MAY 19	---	1975
1976	---	0.227E ON AUG 10	0 ON JUN 01	---	1976
1977	---	0.227E ON JUN 10	0 ON MAY 01	---	1977
1978	---	0.623 ON AUG 29	0 ON MAR 01	649	1978
1979	---	0 ON MAR 01	0 ON MAR 01	0	1979
1980	---	0 ON MAR 01	0 ON MAR 01	0	1980
1981	---	0.975 ON APR 02	0 ON MAR 01	1 970	1981
1982	---	0.177 ON JUN 22	0 ON MAR 01	311	1982
1983	---	1.04 ON APR 02	0 ON MAR 01	2 150	1983
1984	---	1.28 ON APR 09 *	0 ON MAR 01	2 740	1984
				1 060	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BLACKSTRAP RESERVOIR - STATION NO. 05HG008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	2.19	0.002	1.40	2.16	1.81	---	---	---	1968
1969	---	---	---	---	0	0.307	0.418	0.692	2.19	0.002	---	---	---	1969
1970	---	---	0	0	0	0.074	0.451	0.573	1.33	0.004	---	---	0.302	1970
1971	---	---	0	0	0.314	0.004	0.170	1.54	0	0	---	---	0.257	1971
1972	---	---	0	0	0.001	0	0	0.410	2.19	0.806	---	---	0.422	1972
1973	---	---	0	0	0	0.339	2.00	1.62	1.55	0.353	---	---	0.734	1973
1974	---	---	0	0	0.131	0.574	0.374	0.749	1.70	0.197	---	---	0.462	1974
1975	---	---	---	---	0	0	0	0.508	1.42	0.516	---	---	---	1975
1976	---	---	0	0.276	0.153	0.438	0.482	0.700	0.566	0	---	---	0.326	1976
1977	---	---	0	0	0.513	0.913	0	0.469	1.94	0.309	---	---	0.513	1977
1978	---	---	0	0	0	0.938	0.693	0.981	1.10	0.476	---	---	0.522	1978
1979	---	---	0	0.001	0	0	0	0.110	1.19	0.281	---	---	0.195	1979
1980	---	---	0	0	0	0.150	0.100	0.726	2.00	0.028	---	---	0.371	1980
1981	---	---	0	0	0.269	1.21	1.05	0.784	1.20	0.366	---	---	0.608	1981
1982	---	---	0	0	0.492	0.262	0.299	0.238	0.843	0.120	---	---	0.281	1982
1983	---	---	0	0	0.318	1.63	0.566	0.204	0	0	---	---	0.347	1983
1984	---	---	0	0	1.17	1.92	0.837	0.640	2.27	0.473	---	---	0.908	1984
1985	---	---	0	0	0.058	0.282	0.777	0.436	0.178	0	---	---	0.217	1985
MEAN	---	---	0	0.018	0.201	0.625	0.457	0.713	1.32	0.319	---	---	0.431	MEAN

LOCATION - LAT 51 51 17 N
LONG 106 21 18 W REGULATED SINCE 1967

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BLACKSTRAP RESERVOIR - STATION NO. 05HG008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	4.30 ON JUN 11 *	0 ON JUL 03 *	---	1968
1969	---	2.76 ON SEP 06	0 ON MAY 01	---	1969
1970	---	1.98 ON SEP 24	0 ON MAR 01	6 400	1970
1971	---	1.78 ON AUG 11	0B ON MAR 01	5 430	1971
1972	---	3.03 ON SEP 21	0B ON MAR 01	8 930	1972
1973	---	3.40 ON AUG 15	0B ON MAR 01	15 500	1973
1974	---	2.08 ON SEP 11	0B ON MAR 01	9 770	1974
1975	---	2.10 ON SEP 10	0E ON MAY 01	---	1975
1976	---	1.53 ON SEP 11	0 ON MAR 01	6 900	1976
1977	---	2.55 ON MAY 26	0 ON MAR 01	10 900	1977
1978	---	1.99 ON JUN 21	0E ON MAR 01	11 000	1978
1979	---	2.14 ON SEP 27	0E ON MAR 01	4 140	1979
1980	---	2.45 ON SEP 10	0 ON MAR 01	7 860	1980
1981	---	1.72 ON SEP 19	0 ON MAR 01	12 900	1981
1982	---	1.52 ON SEP 17	0E ON MAR 01	5 940	1982
1983	---	2.47 ON JUN 12	0 ON MAR 01	7 350	1983
1984	---	2.87 ON SEP 22	0 ON MAR 01	19 200	1984
1985	---	1.22 ON JUL 10	0 ON MAR 01	4 600	1985
				9 120	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRIGHTWATER RESERVOIR - STATION NO. 05HG004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	2.86	6.39	6.70	6.98	6.16	---	---	1967
1968	---	---	---	---	---	---	4.96	2.64	0.803	---	---	---	---	1968
1969	---	---	---	---	0.690	1.00	0.500	2.36	1.74	0	---	---	---	1969
1970	---	---	0	0	0	0	0	0	1.88	0.599	---	---	0.306	1970
1971	---	---	0	0	0.445	0	0.133	1.47	0	0	---	---	0.259	1971
1972	---	---	0	0	0	0	0.491	2.84	3.03	0.428	---	---	0.846	1972
1973	---	---	0	0	0.123	0.552	2.94	1.98	2.06	0.610	---	---	1.04	1973
1974	---	---	0	0	0	0	0	1.06	1.51	0.013	---	---	0.320	1974
1975	---	---	---	---	0.415	0.425	0.312	1.50	1.53	0.485	---	---	---	1975
1976	---	---	0	0	0.011	0.454	0.609	1.80	0	0	---	---	0.363	1976
1977	---	---	0	0	0	1.95	0.711	1.08	2.85	0.051	---	---	0.921	1977
1978	---	---	0	0	0.296	1.71	0.803	1.01	1.97	0	---	---	0.828	1978
1979	---	---	0	0	0	0.133	0.115	0.158	1.77	0.307	---	---	0.306	1979
1980	---	---	0	0	0.799	1.01	0.344	1.45	2.97	0.076	---	---	0.824	1980
1981	---	---	0	0	0.775	1.89	1.23	1.45	2.86	0	---	---	1.02	1981
1982	---	---	0	0	1.34	0.349	0.446	0.312	1.55	0	---	---	0.499	1982
1983	---	---	0	0	0.644	1.12	2.35	1.13	0.325	0.113	---	---	0.714	1983
1984	---	---	0	0	1.49	2.12	1.02	2.87	4.35	0.223	---	---	1.50	1984
1985	---	---	0	0	0	1.08	0.836	1.40	1.59	0	---	---	0.610	1985
MEAN	---	---	0	0	0.413	0.811	1.09	1.82	2.08	0.550	6.16	---	0.690	MEAN

LOCATION - LAT 51 37 13 N
LONG 106 32 35 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1967

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRIGHTWATER RESERVOIR - STATION NO. 05HG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	7.45 ON JUL 31 *	0 ON JUL 01 *	---	1967
1968	---	6.74 ON AUG 01	0 ON JUL 01	---	1968
1969	---	4.08A ON APR 25	0 ON MAY 07	---	1969
1970	---	4.16 ON SEP 28	0 ON MAR 01	6 470	1970
1971	---	3.11 ON MAY 17	0B ON MAR 01	5 480	1971
1972	---	3.45 ON AUG 17	0B ON MAR 01	17 900	1972
1973	---	3.45 ON JUL 15	0B ON MAR 01	22 000	1973
1974	---	3.00 ON AUG 03	0 ON MAR 01	6 780	1974
1975	---	2.78 ON JUN 01	0E ON MAY 01	---	1975
1976	---	2.83 ON AUG 06	0 ON MAR 01	7 670	1976
1977	---	3.74 ON SEP 03	0 ON MAR 01	19 500	1977
1978	---	3.03 ON SEP 16	0B ON MAR 01	17 500	1978
1979	---	3.65 ON SEP 15	0 ON MAR 01	6 480	1979
1980	---	3.24 ON SEP 28	0 ON MAR 01	17 400	1980
1981	---	3.58 ON SEP 29	0 ON MAR 01	21 600	1981
1982	---	4.09 ON MAY 18	0 ON MAR 01	10 600	1982
1983	---	4.71 ON JUL 11	0 ON MAR 01	15 100	1983
1984	---	4.82 ON SEP 15	0 ON MAR 01	31 700	1984
1985	---	2.33 ON AUG 31	0 ON MAR 01	12 900	1985
				14 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRODERICK RESERVOIR - STATION NO. 05HG019

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	6.46	7.41	7.53	---	---	---	1967
1969	---	---	---	---	0	0.025	1.55	2.49	0.068	0	0	---	---	1969
1971	---	---	0	0	0.009	0.007	0.329	1.50	0.024	0.016	---	---	0.238	1971
1972	---	---	0	0.119	0.257	0.910	0.171	2.91	2.80	0.128	---	---	0.908	1972
1973	---	---	0	2.48	1.04	1.59	2.02	1.86	2.55	0	---	---	1.43	1973
1974	---	---	---	---	---	0.007	0.176	0.006	---	---	---	---	---	1974
1975	---	---	---	---	---	---	---	1.47	1.45	0.530	---	---	---	1975
1976	---	---	0	0	0.001	0.005	0.038	0.023	0	0.008	---	---	0.010	1976
1977	---	---	0	0	1.65	2.03	1.09	2.20	2.63	0.006	---	---	1.20	1977
1978	---	---	0	0	2.26	1.98	1.07	2.19	2.06	0.069	---	---	1.20	1978
1979	---	---	0	0	0	0.351	0.624	0.711	1.49	0.094	---	---	0.407	1979
1980	---	---	0	0	2.03	1.50	1.13	2.05	3.82	0.007	---	---	1.31	1980
1981	---	---	0	0	4.00	1.85	1.78	2.67	1.65	0.026	---	---	1.69	1981
1982	---	---	0	0.001	3.04	0.723	1.26	1.01	1.63	0.039	---	---	0.965	1982
1983	---	---	0	0.738	2.53	2.31	1.48	0.988	0.673	0.007	---	---	1.09	1983
1984	---	---	0	1.68	2.36	3.28	2.46	4.12	4.70	0.253	---	---	2.35	1984
1985	---	---	0	0	0.163	1.47	2.73	2.28	1.92	0.001	---	---	1.07	1985
1986	---	---	0	0	0.952	2.58	---	2.13	1.13	0.003	---	---	---	1986
1987	---	---	0	0	2.43	3.75	2.95	1.30	1.11	0.006	---	---	1.44	1987
1988	---	---	0	0.650	4.85	3.37	3.53	5.09	4.23	0.015	---	---	2.12	1988
1989	---	---	0	0.360	3.53	2.80	3.47	3.87	2.94	0.005	---	---	---	1989
1990	---	---	0	0.001	2.65	1.86	3.01	2.74	2.41	0.079	---	---	1.60	1990
MEAN	---	---	0	0.335	1.78	1.62	1.62	2.26	2.32	0.420	0	---	1.28	MEAN

LOCATION - LAT 51 29 01 N
LONG 106 50 53 W
REGULATED

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRODERICK RESERVOIR - STATION NO. 05HG019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1969	---	2.89 ON JUL 23	0 ON MAY 01 *	---	1969
1971	---	4.25 ON AUG 07	0 ON MAR 01	5 030	1971
1972	---	3.06 ON AUG 26	0 ON MAR 01	19 200	1972
1973	---	3.09 ON APR 16	0E ON MAR 01	30 300	1973
1974	---	0.515 ON JUL 23	0 ON JUN 01	---	1974
1975	---	2.29 ON AUG 16	0 ON AUG 03	---	1975
1976	---	0.195 ON JUL 20	0 ON MAR 01	204	1976
1977	---	4.28 ON JUN 05	0 ON MAR 01	25 300	1977
1978	---	4.36 ON MAY 22	0B ON MAR 01	25 500	1978
1979	---	3.27 ON SEP 26	0 ON MAR 01	8 610	1979
1980	---	4.12 ON SEP 28	0 ON MAR 01	27 800	1980
1981	---	6.09 ON SEP 29 *	0 ON MAR 01	35 800	1981
1982	---	4.77 ON SEP 15	0E ON MAR 01	20 400	1982
1983	---	4.35 B ON MAY 09	0 ON MAR 01	23 100	1983
1984	---	5.16 ON SEP 14	0 ON MAR 01	49 700	1984
1985	---	3.51 ON JUL 11	0 ON MAR 01	22 600	1985
1986	---	---	0 ON MAR 01	---	1986
1987	---	4.47 E ON JUN 29	0 ON MAR 01	30 500	1987
1988	6.04 AT 11:59 CST ON AUG 17 *	5.83 ON AUG 17	0 ON MAR 01	57 500	1988
1989	5.02 AT 11:47 CST ON AUG 01	4.86 ON AUG 03	0 ON MAR 01	45 000	1989
1990	3.85 AT 23:18 CST ON JUL 27	3.80 ON JUL 28	0 ON MAR 01	33 800	1990
				27 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW ZELMA RESERVOIR - STATION NO. 05HG009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.068	0.806	1.20	1.02	---	---	---	1968
1969	---	---	---	---	0	0	0	0.072	1.20	0.378	---	---	---	1969
1970	---	---	0	0	0	0	0	0	0.695	0.084	---	---	0.096	1970
1971	---	---	0	0	0	0.299	0.326	0.301	0	0	---	---	0.116	1971
1972	---	---	0	0.247	0.004	0.002	0.036	0.099	0.604	0.146	---	---	0.141	1972
1973	---	---	0	0.437	0.705	0.442	0.002	0.669	0.855	0.102	---	---	0.399	1973
1974	---	---	0	0	0.404	0.517	0.590	0.807	0.778	0.183	---	---	0.410	1974
1975	---	---	---	---	0.440	0.589	0.018	0.064	0.082	0.021	---	---	---	1975
1976	---	---	0	0	0.001	0.535	0.466	0.209	0.054	0	---	---	0.158	1976
1977	---	---	0	0	0.666	0.227	0	0.041	0.450	0	---	---	0.172	1977
1978	---	---	0	0.011	0.457	0.567	0.559	0.678	0.080	0.001	---	---	0.295	1978
1979	---	---	0	0.001	0.001	0.001	0.001	0.053	0.064	0.002	---	---	0.015	1979
1980	---	---	0	0	0	0	0.045	0.089	0	0	---	---	0.017	1980
1981	---	---	0.577	0.479	0	0.617	0.190	0	0	0.002	---	---	0.232	1981
1982	---	---	0	0	0.511	0.677	0.001	0	0.001	0.001	---	---	0.148	1982
1983	---	---	0.434	0.575	0.002	0	0.005	0	0	0	---	---	0.126	1983
1984	---	---	0.414	0.488	0.205	0.618	0	0	0.676	0.100	---	---	0.309	1984
1985	---	---	0	0.001	0.005	0.001	0.014	0.149	0	0	---	---	0.022	1985
MEAN	---	---	0.095	0.149	0.200	0.300	0.129	0.224	0.374	0.113	---	---	0.177	MEAN

LOCATION - LAT 51 48 23 N
LONG 105 45 23 W REGULATED

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW ZELMA RESERVOIR - STATION NO. 05HG009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	1.75 CN AUG 21	0 CN JUL 01 *	---	1968
1969	---	1.42 CN OCT 03	0 CN MAY 01	---	1969
1970	---	1.07 CN SEP 27	0 CN MAR 01	2 030	1970
1971	---	0.838 CN AUG 06	0B CN MAR 01	2 460	1971
1972	---	1.14 CN APR 25	0B CN MAR 01	2 980	1972
1973	---	1.25 CN JUN 14	0B CN MAR 01	8 450	1973
1974	---	1.13 CN AUG 18	0B CN MAR 01	8 670	1974
1975	---	1.01 CN MAY 15	0E CN MAY 01	---	1975
1976	---	1.29 CN JUN 04	0 CN MAR 01	3 340	1976
1977	---	0.889 CN SEP 13	0 CN MAR 01	3 650	1977
1978	---	0.980 CN AUG 11	0E CN MAR 01	6 250	1978
1979	---	0.146 CN SEP 11	0E CN MAR 01	323	1979
1980	---	0.197 CN AUG 09	0 CN MAR 01	358	1980
1981	---	1.54 CN MAR 28	0B CN MAR 01	4 900	1981
1982	---	0.998 CN JUN 24	0E CN MAR 01	3 130	1982
1983	---	1.13 CN APR 13	0B CN MAR 01	2 670	1983
1984	---	1.77 CN APR 06 *	0B CN MAR 01	6 550	1984
1985	---	0.414 CN AUG 10	0E CN MAR 01	456	1985
				3 750	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT MAIN CANAL ABOVE BLACKSTRAP RESERVOIR - STATION NO. 05HG005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	2.57	6.05	6.64	6.72	5.93	---	---	1967
1968	---	---	---	---	0	0	4.29	2.56	0.773	0	0	---	---	1968
1969	---	---	---	1.22	0.677	1.01	0.501	2.27	1.72	0	0	---	---	1969
1970	---	---	0	0	0	0	0	0	1.55	0.511	---	---	0.254	1970
1971	---	---	0	0	0.310	0	0.129	1.58	0.009	0	---	---	0.257	1971
1972	---	---	0	0	0	0	0.498	2.32	2.75	0.571	---	---	0.766	1972
1973	---	---	0	0	0.146	0.472	2.45	1.64	2.01	0.663	---	---	0.924	1973
1974	---	---	---	---	0	0	0	0.972	1.51	0.046	---	---	---	1974
1975	---	---	---	---	0.306	0.444	0.185	1.53	1.60	0.531	---	---	---	1975
1976	---	---	---	0.221	0.023	0.920	0.607	2.01	---	---	---	---	---	1976
1977	---	---	---	---	---	1.93	0.555	1.78	2.62	---	---	---	---	1977
1978	---	---	0	0	0.246	1.49	0.684	1.58	1.96	0	---	---	0.740	1978
1979	---	---	0	0	0	0.087	0.099	0.155	1.48	0.351	---	---	0.268	1979
1980	---	---	0	0	0.775	0.966	0.243	1.17	3.03	0.130	---	---	0.783	1980
1981	---	---	0	0	0.597	1.59	1.01	1.43	2.89	0.081	0	---	0.942	1981
1982	---	---	0	0	1.23	0.344	0.269	0.146	1.58	0.002	---	---	0.446	1982
1983	---	---	0	0	0.574	1.03	2.26	1.06	0.305	0.117	---	---	0.671	1983
1984	---	---	0	0	1.51	1.80	0.711	2.25	3.75	0.302	---	---	1.28	1984
MEAN	---	---	0	0.111	0.400	0.711	0.949	1.69	2.13	0.627	1.48	---	0.666	MEAN

LOCATION - LAT 51 40 50 N
LONG 106 25 35 W REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1967

SASKATOON S.E. PROJECT MAIN CANAL ABOVE BLACKSTRAP RESERVOIR - STATION NO. 05HG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	7.22 ON SEP 11 *	0 ON JUL 01 *	---	1967
1968	---	6.46 ON JUL 21	0 ON MAY 01	---	1968
1969	---	3.77 ON APR 24	0 ON APR 01	---	1969
1970	---	3.11 ON OCT 01	0 ON MAR 01	5 380	1970
1971	---	2.24 ON AUG 10	0 ON MAR 01	5 430	1971
1972	---	3.17 ON SEP 29	0 ON MAR 01	16 200	1972
1973	---	3.03 ON JUL 16	0E ON MAR 01	19 600	1973
1974	---	2.41 ON SEP 07	0 ON MAY 01	---	1974
1975	---	2.78 ON AUG 22	0E ON MAY 01	---	1975
1976	---	7.08E ON JUN 08	0E ON APR 01	---	1976
1977	---	3.77 ON JUN 22	---	---	1977
1978	---	3.11 ON SEP 18	0 ON MAR 01	15 700	1978
1979	---	3.34 ON SEP 15	0 ON MAR 01	5 680	1979
1980	---	3.61 ON SEP 16	0 ON MAR 01	16 600	1980
1981	---	4.86 ON SEP 30	0 ON MAR 01	20 000	1981
1982	---	4.17 ON MAY 18	0 ON MAR 01	9 450	1982
1983	---	4.64 ON JUL 11	0 ON MAR 01	14 200	1983
1984	---	4.13 ON SEP 12	0 ON MAR 01	27 200	1984
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 100	MEAN

SASKATOON S.E. PROJECT MAIN CANAL ABOVE BRIGHTWATER RESERVOIR - STATION NO. 05HG007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	6.87	7.38	7.42	---	---	---	1967
1968	---	---	---	---	0	0	3.16	2.24	0	0	0	---	---	1968
1969	---	---	---	---	0	0	1.49	2.52	0.144	---	---	---	---	1969
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1970
1971	---	---	0	0	0	0	0.221	1.37	0	0	---	---	0.201	1971
1972	---	---	0	0	0	0	0	2.62	2.83	0.214	---	---	0.704	1972
1973	---	---	0	2.31	1.03	1.38	1.71	1.55	2.33	1.15	---	---	1.42	1973
1974	---	---	---	0	0	0	0	0	0	0	---	---	---	1974
1975	---	---	---	---	2.11	0.230	0	1.61	1.95	0.713	---	---	---	1975
1976	---	---	---	---	0	0	0	0	0	0	---	---	---	1976
1977	---	---	---	---	1.47	2.04	0.861	2.01	2.63	0.006	---	---	---	1977
1978	---	---	0	0	2.36	1.60	0.709	1.91	2.15	0.029	---	---	1.09	1978
1979	---	---	0	0	0	0.216	0.368	0.565	1.28	0.172	---	---	0.323	1979
1980	---	---	0	0	1.60	1.02	0.688	1.55	3.61	0.345	---	---	1.10	1980
1981	---	---	0	0	3.38	1.59	1.01	1.81	2.99	0.113	0	---	1.36	1981
1982	---	---	0	0	2.62	0.557	0.852	0.856	1.53	0.103	---	---	0.815	1982
1983	---	---	0	0.675	2.40	1.68	1.23	0.592	0.555	0.028	---	---	0.893	1983
1984	---	---	0	1.50	1.91	2.43	1.41	3.55	4.25	0.302	---	---	1.91	1984
MEAN	0	0	0	0.374	1.11	0.750	0.806	1.76	1.87	0.623	0	0	0.892	MEAN

LOCATION - LAT 51 35 15 N
LONG 106 30 30 W
REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT MAIN CANAL ABOVE BRIGHTWATER RESERVOIR - STATION NO. 05HG007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	12.2 ON JUL 31 *	---	---	1967
1968	---	4.76 ON JUL 12	0 ON MAY 01 *	---	1968
1969	---	3.03 ON JUL 16	0 ON MAY 01	---	1969
1970	---	0 ON MAR 01	0 ON MAR 01	0	1970
1971	---	4.11 ON AUG 07	0 ON MAR 01	4 260	1971
1972	---	3.09 ON SEP 29	0 ON MAR 01	14 900	1972
1973	---	2.97 ON APR 14	0E ON MAR 01	30 200	1973
1974	---	0 ON APR 01	0 ON APR 01	---	1974
1975	---	2.86 ON MAY 31	0 ON MAY 01	---	1975
1976	---	0 ON MAY 01	0 ON MAY 01	---	1976
1977	---	3.99 ON JUN 06	0 ON MAY 01	---	1977
1978	---	4.39 ON MAY 12	0 ON MAR 01	23 200	1978
1979	---	2.58 ON SEP 27	0B ON MAR 01	6 840	1979
1980	---	4.52 ON SEP 30	0 ON MAR 01	23 200	1980
1981	---	6.20 ON SEP 30	0 ON MAR 01	28 800	1981
1982	---	4.82 ON SEP 16	0 ON MAR 01	17 300	1982
1983	---	4.23 ON APR 28	0 ON MAR 01	18 900	1983
1984	---	4.60 ON SEP 19	0 ON MAR 01	40 400	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 900	MEAN

SASKATOON S.E. PROJECT MAIN CANAL ABOVE ZELMA RESERVOIR - STATION NO. 05HG011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	0.075	0.494	1.64	0.017	1.36	1.90	1.04	0	---	---	1968
1969	---	---	---	---	0	0	0	0.169	2.05	0.063	0	---	---	1969
1970	---	---	0	0	0	0	0	0.454	1.16	0.029	---	---	0.204	1970
1971	---	---	0	0	0.094	0	0.089	1.12	0.019	0	---	---	0.168	1971
1972	---	---	0	0	0	0	0	0	1.15	0.695	---	---	0.229	1972
1973	---	---	0	0	0	0	1.69	0.960	0.975	0.482	---	---	0.516	1973
1974	---	---	---	---	---	0.341	---	---	1.40	0.322	---	---	---	1974
1975	---	---	---	---	---	---	---	0.385	1.04	0.326	---	---	---	1975
1976	---	---	---	---	---	0.237	0.443	0.429	0.316	---	---	---	---	1976
1977	---	---	---	---	0.317	0.354	0	0.217	1.51	---	---	---	---	1977
1978	---	---	0	0	0	0.692	0.675	0.562	0.767	0.416	---	---	0.388	1978
1979	---	---	0	0	0	0	0	0	0.363	0.315	---	---	0.084	1979
1980	---	---	0	0	0	0	0	0	1.15	0.131	---	---	0.158	1980
1981	---	---	0	0	0.322	1.09	0.465	0.215	0.672	0.437	---	---	0.398	1981
1982	---	---	0	0	0.183	0.117	0.137	0.110	0.451	0.190	---	---	0.148	1982
1983	---	---	0	0	0.272	1.35	0.221	0.063	0	0	---	---	0.235	1983
1984	---	---	0	0	0.792	1.44	0.435	0.132	1.04	0.554	---	---	0.546	1984
MEAN	---	---	0	0.006	0.177	0.454	0.278	0.386	0.939	0.333	0	---	0.279	MEAN

LOCATION - LAT 51 50 24 N
LONG 105 51 22 W REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT MAIN CANAL ABOVE ZELMA RESERVOIR - STATION NO. 05HG011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	3.03 ON JUN 08 *	0 ON APR 01 *	---	1968
1969	---	2.38 ON SEP 22	0 ON MAY 01	---	1969
1970	---	1.68 ON SEP 19	0 ON MAR 01	4 310	1970
1971	---	1.27 ON AUG 21	0 ON MAR 01	3 550	1971
1972	---	1.55E ON SEP 13	0 ON MAR 01	4 850	1972
1973	---	2.72 ON SEP 29	0E ON MAR 01	10 900	1973
1974	---	---	0E ON JUN 29	---	1974
1975	---	1.67 ON AUG 27	0E ON AUG 01	---	1975
1976	---	1.01 ON SEP 13	0E ON JUN 01	---	1976
1977	---	1.97 ON SEP 26	0 ON MAY 01	---	1977
1978	---	1.83 ON JUN 22	0 ON MAR 01	0 210	1978
1979	---	1.50 ON OCT 06	0 ON MAR 01	1 790	1979
1980	---	1.86 ON SEP 18	0 ON MAR 01	3 340	1980
1981	---	1.37 ON SEP 30	0 ON MAR 01	0 420	1981
1982	---	1.15 ON SEP 29	0 ON MAR 01	3 130	1982
1983	---	2.21 ON JUN 13	0 ON MAR 01	4 980	1983
1984	---	2.39 ON SEP 25	0 ON MAR 01	11 600	1984
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 920	MEAN

SASKATOON S.E. PROJECT MAIN CANAL AT INLET TO DELLWOOD RESERVOIR - STATION NO. 05JJ007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0	0	0	0	0.491	0.532	0	---	---	1968
1969	0	0	0	0	0	0	0	0	0	0	0	0	0	1969
1970	---	---	---	---	---	---	---	---	0.285	---	---	---	---	1970
1971	---	---	0	0	0	0	0.014	0.213	0	0	---	---	0.029	1971
1972	---	---	0	0	0	0	0	0	0.246	0.102	---	---	0.043	1972
1973	---	---	0	0.036	0.088	0.033	0	0.112	0.194	0.092	---	---	0.069	1973
1974	---	---	---	0	0	0	0	0	0	0	---	---	---	1974
1975	---	---	---	0	0	0	0	0	0	0	---	---	---	1975
1976	---	---	---	---	---	0.333	0.433	0.176	---	---	---	---	---	1976
1977	---	---	---	---	0.528	0.199	0	0	0.332	---	---	---	---	1977
1978	---	---	0	0	0.333	0.436	0.430	0.555	0.072	0	---	---	0.229	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0.399	0.142	0	0	0	---	---	0.067	1981
1982	---	---	0	0	0.361	0.501	0	0	0	0	---	---	0.107	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0.100	0.397	0	0	0.389	0.105	---	---	0.122	1984
MEAN	0	0	0	0.003	0.094	0.144	0.064	0.066	0.126	0.059	0	0	0.061	MEAN

LOCATION - LAT 51 48 10 N
LONG 105 20 38 W REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT MAIN CANAL AT INLET TO DELLWOOD RESERVOIR - STATION NO. 05JJ007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.651 ON OCT 06	0 ON MAY 01 *	---	1968
1969	---	0 ON MAR 01	0 ON MAR 01	0	1969
1970	---	0.609 ON SEP 18	0 ON SEP 01	---	1970
1971	---	0.535 ON AUG 11	0 ON MAR 01	608	1971
1972	---	0.496 ON OCT 03	0 ON MAR 01	911	1972
1973	---	0.648 ON OCT 01	0E ON MAR 01	1 460	1973
1974	---	0 ON APR 01	---	---	1974
1975	---	---	---	---	1975
1976	---	0.623 ON JUL 30	0 ON JUN 01	---	1976
1977	---	0.705 ON MAY 05	0 ON MAY 01	---	1977
1978	---	0.685 ON JUN 14	0 ON MAR 01	4 840	1978
1979	---	0 ON MAR 01	0 ON MAR 01	0	1979
1980	---	0 ON MAR 01	0 ON MAR 01	0	1980
1981	---	0.718 ON JUN 14 *	0 ON MAR 01	1 410	1981
1982	---	0.700 ON JUN 16	0 ON MAR 01	2 270	1982
1983	---	0 ON MAR 01	0 ON MAR 01	0	1983
1984	---	0.601 ON OCT 04	0 ON MAR 01	2 590	1984
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 280	MEAN

SASKATOON S.E. PROJECT MAIN CANAL AT OUTLET OF MANITOU PUMPING STATION - STATION NO. 05JJ005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0	0	0	0.024	0.536	0.587	0	---	---	1968
1969	0	0	0	0	0	0	0	0	0	0	0	0	0	1969
1970	---	---	---	---	---	---	---	---	0.288	---	---	---	---	1970
1971	---	---	0	0	0	0	0.029	0.222	0	0	---	---	0.032	1971
1972	---	---	0	0	0	0	0	0	0.382	0.102	---	---	0.060	1972
1973	---	---	0	0.243	0.609	0.311	0	0.458	0.609	0.090	---	---	0.289	1973
1974	---	---	---	---	0.339	0.419	0.538	0.472	0.623	0.175	---	---	---	1974
1975	---	---	---	---	0.334	0.405	---	---	---	---	---	---	---	1975
1976	---	---	---	---	---	0.377	0.446	0.185	---	---	---	---	---	1976
1977	---	---	---	---	0.574	0.205	0	0	0.335	---	---	---	---	1977
1978	---	---	0	0	0.386	0.446	0.470	0.572	0.058	0	---	---	0.243	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0.481	0.151	0	0	0	---	---	0.078	1981
1982	---	---	0	0	0.427	0.530	0	0	0	0	---	---	0.119	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0.130	0.441	0	0	0.536	0.099	---	---	0.149	1984
MEAN	0	0	0	0.022	0.187	0.226	0.109	0.129	0.224	0.081	0	0	0.088	MEAN

LOCATION - LAT 51 45 21 N
LONG 105 38 56 W REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT MAIN CANAL AT OUTLET OF MANITOU PUMPING STATION - STATION NO. 05JJ005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.722 ON OCT 06 *	0 ON MAY 01 *	---	1968
1969	---	0 ON MAR 01	0 ON MAR 01	0	1969
1970	---	---	0 ON SEP 01	---	1970
1971	---	0.688 ON AUG 12	0 ON MAR 01	674	1971
1972	---	0.651 ON OCT 03	0 ON MAR 01	1 260	1972
1973	---	0.651 ON AUG 22	0E ON MAR 01	6 110	1973
1974	---	0.623 ON SEP 01	0 ON MAY 01	---	1974
1975	---	---	0 ON MAY 01	---	1975
1976	---	0.629 ON JUL 01	0 ON JUN 01	---	1976
1977	---	0.680 ON SEP 26	0 ON MAY 01	---	1977
1978	---	0.651 ON JUL 24	0 ON MAR 01	5 130	1978
1979	---	0 ON MAR 01	0 ON MAR 01	0	1979
1980	---	0 ON MAR 01	0 ON MAR 01	0	1980
1981	---	0.700 ON JUL 03	0 ON MAR 01	1 650	1981
1982	---	0.651 ON MAY 26	0 ON MAR 01	2 520	1982
1983	---	0 ON MAR 01	0 ON MAR 01	0	1983
1984	---	0.673 ON SEP 17	0 ON MAR 01	3 150	1984
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 860	MEAN

SHAND CREEK NEAR DILLABOUGH - STATION NO. 05LB006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	3.38	8.43	---	---	---	---	---	---	---	---	1956
1957	---	---	---	13.4	4.54	---	---	---	---	---	---	---	---	1957
1959	---	---	0.459	---	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	11.2	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	1.27	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	10.6	---	---	---	---	---	---	---	---	---	1962
1963	---	---	0.411	---	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	---	---	---	---	---	---	---	---	---	---	1964
1966	---	---	0	10.6	2.02	1.72	0.750	0.105	0	0	---	---	1.87	1966
1967	---	---	0	1.71	11.3	0.470	0	0	0	0	---	---	1.70	1967
1968	---	---	1.36	1.05	0.020	0.032	0.010	0.034	0.016	0.013	---	---	0.318	1968
1969	---	---	0	6.96	0.175	0.016	0.001	0	0	0.016	---	---	0.878	1969
1970	---	---	0	6.94	3.72	0.668	2.36	0.010	0	0.008	---	---	1.70	1970
1971	---	---	0	10.9	0.309	0.038	0	0	0	0	---	---	1.38	1971
1972	---	---	0	18.3	2.61	0.003	0	0	0	0	---	---	2.57	1972
1973	---	---	0.037	3.01	0.202	1.90	1.03	0	0	0	---	---	0.761	1973
1974	---	---	0	14.5	4.85	1.84	0.001	0	0.002	0.027	---	---	2.60	1974
1975	---	---	0	7.94	2.01	1.19	0.179	0	0.002	0.179	---	---	1.42	1975
1976	---	---	0	5.24	0.049	2.41	0.567	0.002	0	0	---	---	1.01	1976
1977	---	---	0	1.43	0.460	0.076	0	0	0	0	---	---	0.243	1977
1978	---	---	0	10.2	0.551	0.064	0.004	0	0	0	---	---	1.32	1978
1979	---	---	0	14.7	3.85	2.31	0.041	0	0	0	---	---	2.57	1979
1980	---	---	0	2.74	0.004	0	0	0	0	0	---	---	0.336	1980
1981	---	---	0.911	0.380	0.014	0	0	0	0	0	---	---	0.164	1981
1982	---	---	0	2.12	0.022	0.205	0	0	0	0	---	---	0.288	1982
1983	---	---	0	5.77	0.519	1.00	2.38	0.138	0	0	---	---	1.21	1983
1984	---	---	0.414	3.88	1.69	3.89	0.079	0	0	0	---	---	1.23	1984
1985	---	---	0	11.5	1.26	0.450	0.034	0	0	0	---	---	1.63	1985
1986	---	---	0.007	9.58	0.064	0.064	0	0	0	0	---	---	1.25	1986
1987	---	---	0	3.74	0.016	0.005	0	0	0	0	---	---	0.460	1987
1988	---	---	0	9.67	0.245	0.024	0	0	0	0	---	---	1.22	1988
1989	---	---	0	0.908	0.013	0	0	0	0	0	---	---	0.113	1989
1990	---	---	0.219	5.75	0.098	0.013	0	0	0	0	---	---	0.746	1990
MEAN	---	---	0.141	6.98	1.83	0.728	0.298	0.012	0.001	0.010	---	---	1.16	MEAN

LOCATION - LAT 52 37 06 N DRAINAGE AREA, 660 km²
LONG 102 45 05 W NATURAL FLOW

SHAND CREEK NEAR DILLABOUGH - STATION NO. 05LB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	---	---	OE ON APR 01 *	---	1956
1957	---	---	OE ON APR 01	---	1957
1959	---	---	OE ON MAR 01	---	1959
1960	---	---	OE ON APR 01	---	1960
1961	---	---	OE ON APR 01	---	1961
1962	---	---	OE ON APR 01	---	1962
1963	---	---	OE ON MAR 01	---	1963
1964	---	---	0 ON APR 09	---	1964
1966	---	64.0 ON APR 15	OB ON MAR 01	39 500	1966
1967	---	41.6 B ON MAY 01	OB ON MAR 01	36 000	1967
1968	---	9.26B ON MAR 28	OB ON MAR 01	6 740	1968
1969	---	38.8 ON APR 12	OB ON MAR 01	18 600	1969
1970	---	28.9 ON APR 20	OB ON MAR 01	36 100	1970
1971	---	54.1 ON APR 15	OB ON MAR 01	29 300	1971
1972	104 B AT 23:59 CST ON APR 23 *	94.9 ON APR 24 *	OB ON MAR 01	54 500	1972
1973	---	14.4 ON APR 20	OB ON MAR 01	16 100	1973
1974	---	89.5 ON APR 21	OB ON MAR 01	55 000	1974
1975	48.7 AT 20:49 CST ON APR 22	45.3 ON APR 23	OB ON MAR 01	30 000	1975
1976	32.3 AT 19:36 CST ON APR 08	30.3 ON APR 08	OB ON MAR 01	21 500	1976
1977	---	10.5 E ON APR 10	OB ON MAR 01	5 150	1977
1978	51.2 AT 04:13 CST ON APR 20	49.3 R ON APR 20	OB ON MAR 01	28 000	1978
1979	85.5 AT 15:51 CST ON APR 22	84.6 ON APR 22	OB ON MAR 01	54 500	1979
1980	16.5 AT 00:34 CST ON APR 13	15.3 ON APR 13	OB ON MAR 01	7 120	1980
1981	4.87 AT 04:57 CST ON APR 01	3.71 ON APR 01	OB ON MAR 01	3 460	1981
1982	15.5 AT 14:45 CST ON APR 16	14.9 B ON APR 16	OB ON MAR 01	6 100	1982
1983	44.9 AT 16:39 CST ON APR 23	42.9 ON APR 23	OB ON MAR 01	25 700	1983
1984	23.9 AT 10:14 CST ON JUN 09	22.7 ON JUN 09	OB ON MAR 01	26 000	1984
1985	40.7 AT 21:49 CST ON APR 11	39.5 ON APR 11	OB ON MAR 01	34 600	1985
1986	40.7 AT 14:00 CST ON APR 08	40.2 ON APR 08	OB ON MAR 01	26 500	1986
1987	33.3 AT 23:47 CST ON APR 06	30.8 ON APR 06	OB ON MAR 01	9 740	1987
1988	63.6 AT 18:20 CST ON APR 13	60.1 A ON APR 13	OB ON MAR 01	25 800	1988
1989	4.38 AT 02:31 CST ON APR 14	3.80 ON APR 14	OB ON MAR 01	2 390	1989
1990	39.8 AT 04:45 CST ON APR 04	38.0 ON APR 04	OB ON MAR 01	15 800	1990
				24 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989

SHELL BROOK NEAR SHELLBROOK - STATION NO. 05GF001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	2.56	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	4.63	2.19	---	---	---	---	0.267	---	---	---	1965
1966	---	---	---	3.51	1.26	1.58	0.498	0.077	0.009	0.009	---	---	0.860	1966
1967	---	---	0.012	0.487	1.53	0.448	0.057	0.069	0.001	0.004	---	---	0.325	1967
1968	---	---	0	2.18	1.04	0.931	0.284	0.218	0.630	0.713	---	---	0.828	1968
1969	---	---	0.478	5.46	1.88	0.356	0.104	0.192	0.014	0.494	---	---	1.05	1969
1970	---	---	0.038	5.19	1.79	0.568	1.27	0.192	0.006	0.031	---	---	1.13	1970
1971	---	---	0	2.47	0.830	0.366	1.02	0.256	0.070	0.068	---	---	0.632	1971
1972	---	---	0.034	4.11	2.22	0.119	0.078	0.019	0.051	0.070	---	---	0.831	1972
1973	---	---	0.221	2.60	3.08	2.57	3.48	0.746	0.987	1.07	---	---	1.84	1973
1974	---	---	0.463	9.07	10.4	5.76	5.00	0.899	0.827	0.884	---	---	4.16	1974
1975	---	---	0.053	3.86	6.64	4.82	1.70	0.326	0.195	0.058	---	---	2.20	1975
1976	---	---	0.248	2.21	0.692	0.161	0.202	0.144	0	0	---	---	0.453	1976
1977	---	---	0.027	0.995	1.52	1.19	0.171	0.053	0.054	0.062	---	---	0.530	1977
1978	---	---	0.069	3.10	1.53	0.716	0.187	0.022	0	0	---	---	0.698	1978
1979	---	---	0.120	4.21	6.69	2.77	0.824	0	0	0	---	---	1.82	1979
1980	---	---	0.243	2.93	0.777	0.120	0.513	0.458	0.467	0.497	---	---	0.745	1980
1981	---	---	0.549	3.03	1.33	0.286	0.028	0.196	0.001	0	---	---	0.672	1981
1982	---	---	0	1.10	0.755	0.365	0.368	0.295	0.034	0	---	---	0.362	1982
1983	---	---	0.262	4.84	2.19	0.040	0.082	0	0.037	0.208	---	---	0.949	1983
1984	---	---	0.426	2.76	1.50	3.45	0.694	0.138	0.047	0.188	---	---	1.14	1984
1985	---	---	0.329	15.2	13.9	4.25	0.812	0.166	0.211	0.336	---	---	4.38	1985
1986	---	---	0.398	4.13	1.80	0.277	0.197	0.124	0.031	0.079	---	---	0.872	1986
1987	---	---	0.185	1.87	0.518	0.099	0.058	0.040	0.015	0.048	---	---	0.353	1987
1988	---	---	0.002	2.30	0.285	0.012	0.008	0.182	0.015	0.010	---	---	0.346	1988
1989	---	---	0.061	2.01	0.503	0.159	0.056	0	0.011	0.032	---	---	0.349	1989
1990	---	---	0.305	2.89	1.71	0.214	0.183	0.084	0.004	0.001	---	---	0.669	1990
MEAN	---	---	0.181	3.70	2.64	1.27	0.723	0.196	0.149	0.197	---	---	1.13	MEAN

LOCATION - LAT 53 15 10 N DRAINAGE AREA, 2 560 km²
LONG 106 23 09 W NATURAL FLOW

SHELL BROOK NEAR SHELLBROOK - STATION NO. 05GF001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0 E ON APR 01 *	---	1964
1965	---	---	0 E ON APR 01	---	1965
1966	---	6.31A ON APR 17	0 B ON MAR 01	18 200	1966
1967	3.17 AT 14:30 CST ON MAY 07	1.14 ON MAY 07	0 B ON MAR 01	6 870	1967
1968	5.30 AT 21:00 CST ON APR 11	5.10 ON APR 11	0.002 ON JUL 16	17 500	1968
1969	16.5 B AT 14:00 CST ON APR 11	12.8 B ON APR 11	0 B ON MAR 06	22 300	1969
1970	13.5 AT 07:00 CST ON APR 13	10.3 ON APR 13	0 ON SEP 21	23 800	1970
1971	6.68 AT 06:58 CST ON APR 17	6.43 ON APR 17	0 B ON MAR 01	13 400	1971
1972	25.6 AT 22:47 CST ON APR 21	18.8 ON APR 22	0 ON JUN 23	17 600	1972
1973	11.5 AT 17:15 CST ON JUL 03	9.71 ON JUL 03	0.153B ON MAR 14	19 000	1973
1974	33.1 AT 19:13 CST ON APR 19	30.0 ON APR 19	0.422B ON MAR 27	88 000	1974
1975	12.6 B AT 07:38 CST ON APR 21	11.5 B ON APR 21	0.025 ON OCT 31	46 500	1975
1976	---	5.78 ON APR 10	0 ON JUN 22	9 590	1976
1977	2.21 AT 03:10 CST ON MAY 29	2.17 ON MAY 29	0.006B ON MAR 01	11 200	1977
1978	5.95B AT 10:57 CST ON APR 13	5.47B ON APR 13	0 ON AUG 30	14 800	1978
1979	22.6 B AT 22:00 CST ON APR 25	19.0 B ON APR 25	0 ON AUG 01	38 500	1979
1980	10.9 AT 19:20 CST ON APR 17	8.86 ON APR 17	0.008 ON JUN 05	15 800	1980
1981	4.80B AT 09:06 CST ON APR 16	4.55B ON APR 16	0 ON AUG 29	14 200	1981
1982	4.01B AT 09:57 CST ON APR 22	3.07B ON APR 22	0 B ON MAR 01	7 670	1982
1983	17.2 B AT 14:35 CST ON APR 21	15.9 B ON APR 21	0 ON JUL 30	20 100	1983
1984	4.84 AT 00:38 CST ON APR 13	4.78 ON APR 13	0 B ON MAR 01	24 100	1984
1985	38.5 AT 05:36 CST ON APR 21 *	37.0 ON APR 21 *	0.115 ON AUG 03	92 700	1985
1986	6.74 AT 12:46 CST ON APR 12	6.50 ON APR 10	0.002 ON SEP 09	18 500	1986
1987	3.47B AT 12:37 CST ON APR 10	3.07B ON APR 09	0.002 ON JUN 20	7 470	1987
1988	4.74 AT 07:36 CST ON APR 13	4.28 ON APR 13	0 B ON MAR 01	7 330	1988
1989	3.44 AT 02:54 CST ON APR 23	3.36 ON APR 26	0 ON JUL 22	7 390	1989
1990	4.63B AT 22:15 CST ON APR 03	4.47B ON APR 04	0 ON SEP 16	14 200	1990
				23 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEPHERD BROS. EAST DITCH NEAR BATTLE CREEK - STATION NO. 11AB022

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0.007	0	0	0	0	0	---	---	0.001	1915
1916	---	---	0	0.003	0.001	0	0	0	0	0	---	---	0.001	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0.019	0.013	0	0	0	0	0	---	---	0.004	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0.011	0	0	0	0	0	0	---	---	0.001	1920
1921	---	---	0	0.022	0	0	0	0	0	0	---	---	0.003	1921
1922	---	---	0	0.030	0	0	0	0	0	0	---	---	0.004	1922
1923	---	---	0	0.020	0	0	0	0	0	0	---	---	0.002	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0.019	0	0	0	0	0	0	---	---	0.002	1925
1926	---	---	0.002	0.004	0	0	0	0	0	0	---	---	0.001	1926
1927	---	---	0	0.026	0.003	0	0	0	0	0	---	---	0.004	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
MEAN	---	---	0	0.009	0.001	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 49 2[illegible] 50 N
LONG 109 4[illegible] 50 W REGULATED

SHEPHERD BROS. EAST DITCH NEAR BATTLE CREEK - STATION NO. 11AB022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.057 ON MAY 09	0 ON MAR 01 *	18.2	1915
1916	---	0.020 ON APR 19	0 ON MAR 01	11.2	1916
1917	---	0 ON MAR 01	0 ON MAR 01	0	1917
1918	---	0.037 ON APR 16	0 ON MAR 01	81.6	1918
1919	---	0 ON MAR 01	0 ON MAR 01	0	1919
1920	---	0.045 ON APR 20	0 ON MAR 01	29.4	1920
1921	---	0.116 ON APR 02 *	0 ON MAR 01	56.2	1921
1922	---	0.108E ON APR 12	0 ON MAR 01	76.5	1922
1923	---	0.085 ON APR 17	0 ON MAR 01	52.5	1923
1924	---	0 ON MAR 01	0 ON MAR 01	0	1924
1925	---	0.062 ON APR 06	0 ON MAR 01	48.3	1925
1926	---	0.068 ON APR 10	0 ON MAR 01	16.6	1926
1927	---	0.105 ON APR 05	0 ON MAR 01	74.8	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
1930	---	0 ON MAR 01	0 ON MAR 01	0	1930
1931	---	0 ON MAR 01	0 ON MAR 01	0	1931
				27.4	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEPHERD DITCH NEAR CONSUL - STATION NO. 11AB020

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0.024	0	0	0	0	0	---	---	0.003	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	0	0	0.054	0.041	0	0	0	0	---	---	0.012	1921
1922	---	---	0	0.002	0.006	0.069	0.014	0	0	0	---	---	0.011	1922
1923	---	---	0	0.016	0	0	0	0	0	0.026	---	---	0.005	1923
1924	---	---	0	0	0	0.035	0.024	0	0	0.035	---	---	0.012	1924
1925	---	---	0	0.010	0	0	0	0	0	0	---	---	0.001	1925
1926	---	---	0	0	0.020	0.012	0	0	0	0	---	---	0.004	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1933	---	---	0	0	0	0	0	0	0	0	---	---	0	1933
1934	---	---	0	0	0	0	0	0	0	0	---	---	0	1934
1973	---	---	---	---	---	0.057	0.001	0	0.002	0.006	---	---	---	1973
1974	---	---	---	0.121	0.022	0.021	0.066	0.020	0.007	0.018	---	---	---	1974
1975	---	---	---	---	0.102	0.084	0.057	0.005	0.004	0.003	---	---	---	1975
1976	---	---	---	0.072	0.205	0.011	0.003	0.003	0.006	0.003	---	---	---	1976
1977	---	---	---	0.123	0.087	0.003	0.002	0.003	0.003	0	---	---	---	1977
1978	---	---	0	0.124	0.116	0.002	0.004	0.002	0.001	0.002	---	---	0.031	1978
1979	---	---	0	0.004	0.062	0.035	0.001	0.001	0.002	0.001	---	---	0.013	1979
1980	---	---	0	0.065	0.175	0.003	0.004	0.015	0.002	0.003	---	---	0.033	1980
1981	---	---	0.104	0.104	0.002	0.084	0.002	0.002	0.002	0.002	---	---	0.037	1981
1982	---	---	0	0	0.238	0.029	0.002	0.002	0.002	0.001	---	---	0.035	1982
1983	---	---	0.001	0.238	0.045	0.068	0.002	0.001	0.001	0.003	---	---	0.044	1983
1984	---	---	0	0.188	0.043	0.001	0.001	0.002	0.003	0.002	---	---	0.030	1984
1985	---	---	0.002	0.310	0.038	0	0	0	0	0	---	---	0.043	1985
1986	---	---	0.137	0.147	0.096	0	0.001	0.001	0.057	0.001	---	---	0.055	1986
1987	---	---	0.025	0.134	0.153	0.005	0.002	0.004	0.008	0.004	---	---	0.042	1987
1988	---	---	0.002	0.186	0.099	0	0.005	0.012	0.001	0.002	---	---	0.038	1988
1989	---	---	0	0.047	0.093	0.051	0.003	0.003	0.004	0.003	---	---	0.026	1989
1990	---	---	0.016	0.169	0.077	0.003	0.003	0.001	0.001	0.001	---	---	0.034	1990
MEAN	---	---	0.009	0.057	0.048	0.016	0.005	0.002	0.003	0.003	---	---	0.015	MEAN

LOCATION - LAT 49 24 50 N
LONG 109 44 30 W

REGULATED

SHEPHERD DITCH NEAR CONSUL - STATION NO. 11AB020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.125 ON MAY 08	0 ON MAR 01 *	63.4	1915
1916	---	0 ON MAR 01	0 ON MAR 01	0	1916
1917	---	0 ON MAR 01	0 ON MAR 01	0	1917
1918	---	0 ON MAR 01	0 ON MAR 01	0	1918
1919	---	0 ON MAR 01	0 ON MAR 01	0	1919
1920	---	0 ON MAR 01	0 ON MAR 01	0	1920
1921	---	0.122 ON MAY 11	0 ON MAR 01	250	1921
1922	---	0.255 ON JUN 15	0 ON MAR 01	537	1922
1923	---	0.142 ON APR 17	0 ON MAR 01	211	1923
1924	---	0.076 ON JUN 11	0 ON MAR 01	247	1924
1925	---	0.040 ON APR 08	0 ON MAR 01	25.4	1925
1926	---	0.099 ON MAY 25	0 ON MAR 01	83.8	1926
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0 ON MAR 01	0 ON MAR 01	0	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
1930	---	0 ON MAR 01	0 ON MAR 01	0	1930
1931	---	0 ON MAR 01	0 ON MAR 01	0	1931
1932	---	0 ON MAR 01	0 ON MAR 01	0	1932
1933	---	0 ON MAR 01	0 ON MAR 01	0	1933
1934	---	0 ON MAR 01	0 ON MAR 01	0	1934
1973	---	---	0 ON JUL 01	---	1973
1974	---	0.343B ON APR 06	0B ON APR 01	---	1974
1975	---	1.31 A ON MAY 06 *	0E ON MAY 01	---	1975
1976	---	0.258 ON MAY 15	0 ON APR 22	---	1976
1977	---	0.504 ON APR 09	0E ON APR 01	---	1977
1978	---	0.623 ON APR 28	0B ON MAR 01	663	1978
1979	---	0.142E ON MAY 01	0B ON MAR 01	284	1979
1980	---	0.310 ON APR 27	0B ON MAR 01	708	1980
1981	---	0.400 ON JUN 15	0 ON MAR 01	790	1981
1982	0.679B AT 21:00 CST ON MAY 30 *	0.474 ON MAY 20	0B ON MAR 01	733	1982
1983	---	0.364 ON APR 19	0B ON MAR 01	936	1983
1984	---	0.300 ON APR 18	0B ON MAR 01	628	1984
1985	---	0.594 ON APR 14	0B ON MAR 01	911	1985
1986	---	1.00 E ON SEP 25	0 ON JUN 04	1 170	1986
1987	---	0.279 ON APR 18	0B ON MAR 01	884	1987
1988	---	0.315 ON APR 08	0B ON MAR 01	805	1988
1989	---	0.325 ON JUN 01	0B ON MAR 01	540	1989
1990	---	0.290B ON APR 01	0B ON MAR 01	712	1990
				327	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	0.003	0.002	3.46	3.05	0.097	0.049	0.011	0.097	0.001	0.001	0.002	0	0.565	1960
1961	0.002	0.003	0.260	0.015	0.010	0	0	0	0	0	0	0	0.025	1961
1962	0	0	0.463	0.065	0.045	0.492	0.003	0	0	0	0	0	0.089	1962
1963	0	0	0.191	0.187	0.375	0.811	0.308	0.383	0.046	0.008	0.001	0	0.193	1963
1964	0	0	0.005	1.33	0.066	0.218	0.016	0.003	0.003	0	0	0	0.135	1964
1965	0	0	0	0.739	0.652	0.250	0	0	0.022	0.034	0.005	0.001	0.142	1965
1966	0	0	0.466	0.134	0.092	0.063	0.051	0.001	0.002	0.003	0.002	0	0.069	1966
1967	0	0	0.665	0.388	0.198	0.004	0	0	0	0.001	0.001	0	0.106	1967
1968	0	0	0.166	0.084	0.037	0.009	0.001	0.044	0.023	0.043	0.010	0.008	0.036	1968
1969	0.006	0.003	0	7.25	0.173	0.008	0.315	0.062	0.035	0.002	0.005	0.001	0.647	1969
1970	0	0	0.200	1.27	3.89	0.577	0.541	0.055	0.001	0.014	0.040	0.001	0.554	1970
1971	0.001	0.004	0.159	0.668	0.038	0.020	0.328	0.002	0.001	0.290	0.083	0.011	0.134	1971
1972	0	0	4.21	1.76	0.510	0.291	0.022	1.06	0.252	0.058	0.011	0.005	0.686	1972
1973	0.001	0	0.253	0.113	0.029	0.064	0	0	0.111	0.037	0.008	0.004	0.052	1973
1974	0.001	0	0.730	7.86	4.19	0.532	0.016	0.001	0	0	0	0.001	1.11	1974
1975	0.001	0.001	0.003	6.39	4.77	2.84	0.226	0.001	0.468	0.310	0.170	0.040	1.27	1975
1976	0.008	0.024	8.07	8.24	0.584	0.177	0.007	0	0	0	0	0	1.43	1976
1977	0	0	0.003	0.036	0.008	0.001	0	0	0	0	0	0	0.004	1977
1978	0	0	0.963	0.420	0.320	0.789	0.926	0.009	0.048	0.026	0.006	0.003	0.295	1978
1979	0.002	0.001	0.005	8.82	2.96	0.192	0.006	0	0	0	0.001	0.002	0.993	1979
1980	0	0	0.159	0.293	0.003	0	0	0	0	0	0	0	0.038	1980
1981	0	0.594	0.103	0.005	0.001	0.001	0	0.002	0	0	0.001	0.001	0.055	1981
1982	0	0	0.155	5.33	0.217	0.017	0.060	0.012	0.001	0.032	0.056	0.001	0.485	1982
1983	0	0.792	1.01	2.68	0.179	0.033	0.113	0.012	0.002	0.002	0.002	0.002	0.398	1983
1984	0.002	0.021	0.164	0.084	0.152	0.003	0	0	0	0	0.001	0.001	0.036	1984
1985	0	0.001	1.09	0.181	0.018	0.006	0	0.104	0.016	0.044	0.014	0.001	0.124	1985
1986	0.001	0.064	0.518	0.078	0.169	0.056	1.16	0.555	0.005	0.013	0.004	0.002	0.222	1986
1987	0.002	0.001	1.30	1.06	0.047	0.004	0.002	0.001	0	0	0.002	0.001	0.202	1987
1988	0	0	0.002	0.004	0.002	0	0	0	0	0	0	0	0.001	1988
1989	0	0	0.757	1.10	0.017	0.002	0	0	0	0	0	0	0.156	1989
1990	0	0	0.002	0.001	0	0.001	0.051	0.032	0.001	0	0.001	0	0.008	1990
MEAN	0.001	0.049	0.824	1.92	0.640	0.242	0.134	0.079	0.033	0.030	0.014	0.003	0.331	MEAN

LOCATION - LAT 49 01 52 N
LONG 102 50 57 W
DRAINAGE AREA, 1 210 km^2
REGULATED
INTERNATIONAL GAUGING STATION

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	38.5 AT 01:30 ON MAR 28	23.5 B ON MAR 27	0 B ON FEB 21 *	17 900	1960
1961	1.56 B AT 10:00 CST ON MAR 17	1.50 B ON MAR 17	0 B ON JAN 01	774	1961
1962	3.48 AT 10:00 ON MAR 26	2.89 ON MAR 26	0 ON JAN 01	2 820	1962
1963	4.90 AT 22:00 ON JUN 07	4.25 ON JUN 07	0 ON JAN 01	6 100	1963
1964	---	9.83 B ON APR 04	0 B ON JAN 01	4 260	1964
1965	3.37 AT 01:30 ON MAY 08	3.20 ON MAY 08	0 B ON JAN 01	4 480	1965
1966	---	2.47 B ON MAR 16	0 B ON JAN 01	2 160	1966
1967	---	3.11 B ON MAR 26	0 B ON JAN 01	3 330	1967
1968	0.784B AT 16:10 CST ON MAR 26	0.660B ON MAR 07	0 B ON JAN 01	1 120	1968
1969	48.1 AT 01:07 ON APR 07 *	39.9 ON APR 07 *	0 B ON MAR 01	20 400	1969
1970	13.0 AT 18:30 CST ON MAY 01	11.6 ON MAY 01	0 B ON JAN 01	17 500	1970
1971	2.02 AT 00:08 CST ON JUL 14	1.89 ON JUL 14	0 ON MAY 28	4 240	1971
1972	15.6 AT 05:43 CST ON MAR 17	14.8 ON MAR 17	0 B ON JAN 01	21 700	1972
1973	1.19 B AT 13:16 CST ON MAR 13	0.648B ON MAR 14	0 B ON JAN 23	1 630	1973
1974	23.0 B AT 05:41 CST ON APR 11	21.5 B ON APR 11	0 B ON JAN 19	35 000	1974
1975	25.9 AT 05:24 CST ON APR 30	25.0 ON APR 30	0.001B ON JAN 01	39 900	1975
1976	38.8 B AT 21:14 CST ON MAR 28	36.8 B ON MAR 28	0 ON JUL 31	45 100	1976
1977	---	0.079E ON APR 12	0 B ON JAN 01	126	1977
1978	7.93 B AT 01:09 CST ON MAR 23	3.91 B ON MAR 23	0 B ON JAN 01	9 290	1978
1979	45.0 B AT 05:38 CST ON APR 19	38.8 B ON APR 19	0 B ON FEB 17	31 300	1979
1980	---	1.02 B ON MAR 30	0 B ON JAN 03	1 190	1980
1981	2.48 B AT 10:00 CST ON FEB 21	1.94 B ON FEB 22	0 B ON JAN 01	1 740	1981
1982	38.8 B AT 02:58 CST ON APR 14	32.1 B ON APR 14	0 B ON JAN 01	15 300	1982
1983	14.1 B AT 20:08 CST ON MAR 31	11.8 B ON MAR 31	0 B ON JAN 01	12 500	1983
1984	1.11 B AT 13:14 CST ON MAR 26	0.715 ON MAY 04	0 B ON JAN 06	1 130	1984
1985	4.84 B AT 16:39 CST ON MAR 14	3.72 B ON MAR 15	0 B ON JAN 01	3 930	1985
1986	6.88 AT 03:17 CST ON JUL 28	6.06 ON JUL 28	0 B ON FEB 18	7 010	1986
1987	6.87 B AT 13:25 CST ON MAR 26	5.63 B ON MAR 26	0 B ON FEB 02	6 360	1987
1988	0.009 AT 09:23 CST ON MAY 02	0.006 ON APR 16	0 B ON JAN 01	18.7	1988
1989	8.08 B AT 22:45 CST ON APR 01	6.38 B ON MAR 29	0 B ON JAN 01	4 920	1989
1990	0.281 AT 15:25 CST ON JUL 11	0.225 ON JUL 11	0 B ON JAN 01	238	1990
				10 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	0.838	1.70	0.141	0.007	0.002	0	0	0	---	---	---	1956
1957	---	---	0.465	0.128	0.006	0	0	0	0	0	---	---	---	1957
1958	---	---	0.281	0.263	0	0	0	0	0	0	---	---	---	1958
1959	---	---	2.38	0.089	0.004	0.002	0	0.027	0.042	0.469	0.064	0.005	---	1959
1960	0.003	0.002	---	---	---	---	---	---	---	---	---	---	---	1960
MEAN	0.003	0.002	0.991	0.545	0.038	0.002	0.001	0.007	0.011	0.117	0.064	0.005	---	MEAN

LOCATION - LAT 49 03 45 N
LONG 102 49 05 W
DRAINAGE AREA, 1 230 km^2
NATURAL FLOW

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	3.68B ON MAR 22	0B ON MAR 01 *	---	1956
1957	---	2.12 ON MAR 26	0 ON MAR 01	---	1957
1958	---	2.52 ON MAR 31	0B ON MAR 01	---	1958
1959	---	11.8 ON MAR 19 *	0B ON MAR 01	---	1959
1960	---	---	---	---	1960
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHUARD CREEK AT JOHNSON'S RANCH - STATION NO. 05HA004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	0.057	0.079	---	---	---	1909
1910	---	---	---	0.172	0.111	0.053	0.019	0.022	0.069	0.083	---	---	---	1910
1911	---	---	---	0.362	0.230	0.082	0.025	0.041	0.050	---	---	---	---	1911
1912	---	---	---	---	0.398	0.175	0.059	0.035	0.041	0.070	---	---	---	1912
1913	---	---	---	---	0.177	0.055	0.028	0.011	0.022	0.066	---	---	---	1913
1914	---	---	---	0.497	0.122	0.076	0.011	0.002	0.012	0.134	---	---	---	1914
MEAN	---	---	---	0.344	0.208	0.088	0.034	0.022	0.042	0.086	---	---	---	MEAN

LOCATION - LAT 49 49 50 N
LONG 109 03 40 W
DRAINAGE AREA, 63.5 km^2
NATURAL FLOW

SHUARD CREEK AT JOHNSON'S RANCH - STATION NO. 05HA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0E ON JUL 20 *	---	1914
			0 ON JUL 14		
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SINCLAIR SOUTH DITCH NEAR LEITCHVILLE - STATION NO. 05HD020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	0.001	0.001	0	0	---	---	---	---	---	---	1920
MEAN	---	---	---	0.001	0.001	0	0	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 49 15 N
LONG 108 33 52 W REGULATED

SINCLAIR SOUTH DITCH NEAR LEITCHVILLE - STATION NO. 05HD020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	---	---	1920
				---	MEAN

SKULL CREEK AT DOYLE'S RANCH - STATION NO. 05HA016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.151	0.065	0.054	0.034	0.091	0.086	---	---	---	1911
1912	---	---	---	---	0.288	0.149	0.040	0.049	0.049	0.086	---	---	---	1912
1913	---	---	---	0.861	0.099	0.069	0.039	0.034	0.037	0.053	---	---	---	1913
1914	---	---	---	0.454	0.131	0.028	0.004	0.005	0.043	0.133	---	---	---	1914
1915	---	---	---	0.493	0.144	0.176	0.139	0.044	0.045	0.075	---	---	---	1915
1916	---	---	1.03	0.210	0.196	0.220	0.079	0.057	0.061	0.112	---	---	0.247	1916
1917	---	---	---	---	1.22	0.112	0.024	0.014	0.053	0.092	---	---	---	1917
1918	---	---	---	0.300	0.100	0.047	0.017	0.015	0.019	0.035	---	---	---	1918
1919	---	---	0.082	0.333	0.080	0.019	0.004	0	0.016	0.094	---	---	0.078	1919
1920	---	---	0.550	0.819	0.260	0.167	0.056	0.001	0.004	0.031	---	---	0.235	1920
1921	---	---	0.331	1.02	0.195	0.044	0.020	0.009	0.045	0.032	---	---	0.211	1921
1922	---	---	0.172	2.22	0.319	0.048	0.024	0.004	0.011	0.026	---	---	0.348	1922
MEAN	---	---	0.433	0.746	0.265	0.096	0.042	0.022	0.040	0.071	---	---	0.224	MEAN

LOCATION - LAT 49 51 24 N DRAINAGE AREA, 82.1 km^2
LONG 108 56 37 W NATURAL FLOW

SKULL CREEK AT DOYLE'S RANCH - STATION NO. 05HA016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUL 20 *	---	1914
1915	---	---	---	---	1915
1916	---	4.53 ON MAR 11	0.040 ON JUL 23	5 230	1916
1917	---	---	---	---	1917
1918	---	---	0 ON AUG 01	---	1918
1919	---	1.27B ON APR 01	0 ON JUN 25	1 650	1919
1920	---	3.68B ON APR 13	0 ON AUG 22	4 970	1920
1921	---	8.38B ON APR 02	0 ON JUL 10	4 460	1921
1922	---	13.8 ON APR 20 *	0.001 ON JUL 22	7 360	1922
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 730	MEAN

SKULL CREEK NEAR PIAPOT - STATION NO. 05HA075

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.857	0.093	0.052	0.074	0.056	0	0	0	---	---	0.142	1963
1964	---	---	0.005	0.390	0.201	0.053	0	0	0	0	---	---	0.080	1964
1965	---	---	0.027	1.67	0.222	0.162	0.134	0	0.026	0.035	---	---	0.280	1965
1966	---	---	1.01	0.322	0.174	0.169	0.021	0	0	0	---	---	0.213	1966
1967	---	---	0.404	0.810	1.22	0.115	0	0	0	0	---	---	0.319	1967
1968	---	---	0.339	0.115	0.111	0.053	0.004	0	0	0	---	---	0.078	1968
1969	---	---	0.436	1.32	0.151	0.020	0.014	0	0	0	---	---	0.240	1969
1970	---	---	0.076	1.34	0.448	0.094	0.004	0	0	0	---	---	0.243	1970
1971	---	0.020	0.059	0.839	0.064	0.009	0.002	0	0	0	---	---	0.120	1971
1972	---	---	0.467	0.116	0.140	0.030	0	0	0	0	---	---	0.095	1972
1973	---	---	0.244	0.172	0.086	0.310	---	---	---	---	---	---	---	1973
MEAN	---	0.020	0.357	0.653	0.261	0.099	0.024	0	0.003	0.004	---	---	0.181	MEAN

LOCATION - LAT 49 53 30 N LONG 108 56 25 W
DRAINAGE AREA, 127 km²
NATURAL FLOW

SKULL CREEK NEAR PIAPOT - STATION NO. 05HA075

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	7.02 AT 09:30 MST ON MAR 23	5.55 ON MAR 23	0 ON JUL 21 *	3 010	1963
1964	5.18 AT 11:00 MST ON APR 11	3.37 ON APR 02	0B ON MAR 01	1 700	1964
1965	---	5.32 B ON APR 15	0B ON MAR 26	5 930	1965
1966	---	3.06 B ON MAR 28	0 ON JUL 20	4 500	1966
1967	25.5 AT 07:00 MST ON MAY 08 *	13.9 ON MAY 08 *	0 ON JUL 01	6 750	1967
1968	---	0.991B ON MAR 07	0 ON JUL 07	1 650	1968
1969	---	6.14 ON APR 06	0B ON MAR 01	5 080	1969
1970	---	5.10 B ON APR 10	0B ON MAR 01	5 140	1970
1971	---	3.26 B ON APR 10	0B ON MAR 01	2 530	1971
1972	---	2.80 B ON MAR 17	0B ON MAR 01	2 010	1972
1973	---	4.98 ON JUN 15	0 ON JUN 12	---	1973
				3 830	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SKULL CREEK NEAR SKULL CREEK - STATION NO. 05HA002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	0.009	0.003	0.004	0.063	---	---	---	1908
1909	---	---	---	---	1.13	1.53	0.337	0.061	0.056	0.140	---	---	---	1909
1910	---	---	---	0.123	0.087	0.034	0.004	0.008	0.045	0.068	---	---	0.052	1910
1911	---	---	---	0.437	0.077	0.038	0.036	0.023	0.065	0.055	---	---	0.104	1911
1912	---	---	---	1.16	0.217	0.119	0.050	0.031	0.045	0.048	---	---	0.235	1912
1913	---	---	---	0.610	0.075	0.038	0.028	0.004	0.023	0.043	---	---	0.144	1913
1914	---	---	---	0.383	0.056	0.033	0.002	0	0.021	0.114	---	---	0.086	1914
MEAN	---	---	---	0.583	0.274	0.299	0.067	0.019	0.037	0.076	---	---	0.124	MEAN

LOCATION - LAT 49 54 05 N LONG 108 55 55 W
DRAINAGE AREA, 102 km²
NATURAL FLOW

SKULL CREEK NEAR SKULL CREEK - STATION NO. 05HA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	0 ON JUL 11 *	---	1908
1909	---	---	---	---	1909
1910	---	0.161 ON MAY 16	0 ON JUN 29	971	1910
1911	---	2.10 ON APR 10	0.006 ON SEP 01	1 910	1911
1912	---	2.94 ON APR 09 *	0.009 ON AUG 10	4 350	1912
1913	---	2.07 ON APR 06	0 ON JUL 31	2 660	1913
1914	---	1.30 B ON APR 01	0 ON JUL 04	1 590	1914
				2 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMALL DITCH NEAR CYPRESS - STATION NO. 05HA026

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	0	0.045	0.081	0.031	0.017	---	---	---	---	---	---	1916
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
MEAN	---	---	0	0.045	0.081	0.031	0.017	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 44 58 N LONG 109 34 29 W
REGULATED

SMALL DITCH NEAR CYPRESS - STATION NO. 05HA026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	0 ON MAR 01 *	---	1916
1918	---	---	0R ON AUG 05	---	1918
1919	---	---	0R ON MAY 23	---	1919
1920	---	---	0R ON AUG 26	---	1920
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		---	MEAN

SMITH CREEK NEAR MARCHWELL - STATION NO. 05ME007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	0.573	0.312	0.020	0	0	0.004	0.013	---	---	0.114	1975
1976	---	---	0	2.42	0.234	0.043	0.002	0	0	0	---	---	0.331	1976
1977	---	---	0.010	0.017	0.017	0	0.023	0.014	0.002	0.002	---	---	0.011	1977
1978	---	---	0.047	0.346	0.028	0	0	0.005	0.001	0.002	---	---	0.053	1978
1979	---	---	0	1.89	1.46	0.040	0	0	0	0	---	---	0.421	1979
1980	---	---	0	0.375	0.002	0	0	0	0	0	---	---	0.046	1980
1981	---	0.032	0.023	0.001	0	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0.013	0.081	0.018	0	0	0	0	0	---	---	0.014	1982
1983	---	---	0	0.767	0.241	0.008	0.004	0	0	0	---	---	0.126	1983
1984	---	---	0.094	0.041	0.003	0	0	0	0	0	---	---	0.017	1984
1985	---	---	0.001	2.41	0.129	0.001	0	0	0.002	0.003	---	---	0.312	1985
1986	---	---	0.519	1.32	0.043	0.002	0.002	0.015	0	0.001	---	---	0.235	1986
1987	---	---	0.004	1.71	0.030	0.003	0	0	0	0	---	---	0.214	1987
1988	---	---	0.008	0.697	0.182	0.001	0	0	0	0	---	---	0.110	1988
1989	---	---	0.001	0.157	0	0	0	0	0	0	---	---	0.019	1989
1990	---	---	0	2.74	0.297	0.028	0.026	0	0	0	---	---	0.379	1990
MEAN	---	0.032	0.045	0.972	0.187	0.009	0.004	0.002	0.001	0.001	---	---	0.150	MEAN

LOCATION - LAT 50 49 58 N DRAINAGE AREA, 435 km^2
LONG 101 34 43 W NATURAL FLOW

SMITH CREEK NEAR MARCHWELL - STATION NO. 05ME007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	3.09 AT 04:21 CST ON APR 18	2.59 ON APR 18	0B ON MAR 01 *	2 420	1975
1976	7.05 AT 09:31 CST ON APR 09	6.51 ON APR 09	0B ON MAR 01	7 010	1976
1977	---	0.116 ON JUL 16	0B ON MAR 01	224	1977
1978	1.30 B AT 08:25 CST ON APR 01	0.773B ON APR 01	0B ON MAR 01	1 120	1978
1979	7.24 AT 06:13 CST ON APR 22 *	6.53 ON APR 22 *	0B ON MAR 01	8 910	1979
1980	2.72 B AT 21:49 CST ON APR 05	1.56 B ON APR 06	0B ON MAR 01	978	1980
1981	---	0.060B ON MAR 01	0A ON APR 08	63.8	1981
1982	0.702B AT 14:40 CST ON APR 13	0.470B ON APR 14	0B ON MAR 01	292	1982
1983	4.60 AT 02:24 CST ON APR 21	4.05 ON APR 21	0B ON MAR 01	2 660	1983
1984	0.711 AT 02:30 CST ON MAR 27	0.523 ON MAR 27	0B ON MAR 01	367	1984
1985	5.22 AT 21:46 CST ON APR 14	4.72 ON APR 15	0B ON MAR 01	6 610	1985
1986	5.26 AT 03:05 CST ON MAR 31	5.03 ON MAR 31	0B ON MAR 01	4 980	1986
1987	6.36 B AT 00:40 CST ON APR 05	5.99 ON APR 06	0B ON MAR 01	4 530	1987
1988	---	2.20 B ON APR 04	0 ON JUN 07	2 320	1988
1989	1.90 B AT 12:22 CST ON APR 04	1.06 B ON APR 04	0B ON MAR 01	411	1989
1990	6.53 B AT 13:41 CST ON APR 08	5.43 B ON APR 08	0B ON MAR 01	8 030	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 180	MEAN

SMITH TRIBUTARY NEAR FISKE - STATION NO. 05HF018

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0	0.020	0.001	0.001	0	0	0	0	---	---	0.003	1970
1971	---	---	0	0.016	0	0	0.002	0	0	0	---	---	0.002	1971
1972	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0.015	0.003	0.003	0.001	0	0	0	---	---	0.003	1974
1975	---	---	0	0.013	0.001	0	0	0	0	0	---	---	0.002	1975
1976	---	---	0.004	0.003	0	0	0	0	0	0	---	---	0.001	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.001	0.002	0.001	0	0	0	0	0	---	---	0	1978
1979	---	---	0.002	0.003	0	0	0	0	0	0	---	---	0.001	1979
MEAN	---	---	0.001	0.007	0.001	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 51 25 07 N DRAINAGE AREA, 0.78 km^2
LONG 108 27 57 W NATURAL FLOW

SMITH TRIBUTARY NEAR FISKE - STATION NO. 05HF010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	0.481B AT 17:50 CST ON APR 06	0.108B ON APR 06	0B ON MAR 01 *	57.0	1970
1971	1.08 AT 01:30 CST ON JUL 24 *	0.147A ON APR 08 *	0B ON MAR 01	47.3	1971
1972	0.037B AT 08:53 CST ON MAR 19	0.008B ON MAR 19	0B ON MAR 01	4.84	1972
1973	0.016 AT 19:16 CST ON MAR 20	0.008 ON MAR 17	0 ON MAR 01	4.58	1973
1974	0.354 AT 10:15 CST ON JUN 26	0.054 ON APR 18	0B ON MAR 01	56.1	1974
1975	0.147A AT 17:53 CST ON APR 19	0.059A ON APR 19	0B ON MAR 01	35.6	1975
1976	0.150 AT 17:59 CST ON MAR 31	0.068 ON MAR 31	0B ON MAR 01	19.0	1976
1977	0.013 AT 22:04 CST ON MAY 15	0.002 ON MAY 19	0 ON MAR 01	0.518	1977
1978	0.028 AT 20:26 CST ON MAY 24	0.012 ON MAR 30	0B ON MAR 01	10.2	1978
1979	0.144 AT 21:48 CST ON APR 18	0.030 ON APR 18	0B ON MAR 01	14.3	1979
				24.9	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMOOTHSTONE RIVER BELOW EMMELINE LAKE - STATION NO. 06CC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	9.14	14.9	15.9	10.1	4.76	---	1978
1979	4.61	4.08	4.00	9.87	38.5	30.8	18.0	11.2	12.9	12.5	10.1	6.17	13.6	1979
1980	5.01	4.57	4.04	6.70	5.51	3.68	5.62	11.4	41.6	39.5	16.9	8.04	12.7	1980
1981	6.33	5.77	4.89	10.8	33.2	17.5	11.5	6.87	4.41	3.75	3.61	3.03	9.34	1981
1982	2.09	1.83	1.73	4.06	15.2	15.8	9.35	15.6	10.8	8.81	7.78	5.84	8.27	1982
1983	5.25	4.27	3.97	5.70	16.4	25.4	30.2	12.8	8.93	8.58	7.34	5.18	11.2	1983
1984	3.63	3.01	2.90	8.83	21.6	27.9	12.2	8.23	7.56	6.76	6.40	4.52	9.46	1984
1985	2.86	2.62	2.55	19.1	56.7	41.1	26.8	10.5	8.64	7.90	6.14	4.41	15.8	1985
1986	4.00	3.42	3.95	5.42	23.5	25.4	24.4	26.8	10.0	7.92	5.97	5.45	12.3	1986
1987	4.85	3.91	4.27	23.8	36.3	19.2	18.8	17.0	11.1	7.45	5.41	3.70	13.0	1987
1988	3.04	2.88	3.26	6.89	28.0	16.8	11.9	13.9	13.5	7.07	5.49	3.45R	9.70R	1988
1989	2.23	1.88	1.41	4.07	12.5	12.5	19.3	7.56	6.54	6.39	4.18	3.07	6.84	1989
1990	2.59	1.78	1.61	3.27	24.6	18.9	13.3	8.72	4.66	3.84	2.78	2.22	7.40	1990
MEAN	3.87	3.34	3.22	9.04	26.0	21.2	16.8	12.3	12.0	10.5	7.09	4.60R	10.8 R	MEAN

LOCATION - LAT 55 09 40 N LONG 106 12 25 W DRAINAGE AREA, 6 020 km^2 REGULATED

R - REVISED SINCE JAN 01 1989

SMOOTHSTONE RIVER BELOW EMMELINE LAKE - STATION NO. 06CC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	51.4 AT 03:29 CST ON MAY 29	51.1 ON MAY 26	3.57B ON MAR 25	429 000	1979
1980	52.7 AT 16:53 CST ON SEP 26	52.5 ON SEP 26	3.12 ON JUN 18	402 000	1980
1981	42.0 AT 21:31 CST ON MAY 08	42.0 ON MAY 09	2.58B ON DEC 31	295 000	1981
1982	19.4 AT 17:34 CST ON AUG 19	19.2 ON AUG 15	1.59B ON FEB 17	261 000	1982
1983	41.4 AT 23:46 CST ON JUL 05	41.0 ON JUL 06	3.12A ON APR 06	354 000	1983
1984	42.7 AT 05:14 CST ON MAY 29	42.6 ON MAY 28	2.54B ON FEB 06	299 000	1984
1985	78.0 AT 04:52 CST ON MAY 09 *	76.8 ON MAY 09 *	2.15B ON MAR 21	500 000	1985
1986	43.0 AT 22:49 CST ON MAY 25	42.4 ON AUG 05	2.80B ON FEB 21	387 000	1986
1987	52.6 AT 16:05 CST ON APR 30	52.2 ON APR 30	3.10B ON DEC 31	411 000	1987
1988	33.9 AT 11:39 CST ON MAY 12	33.7 ON MAY 12	2.25RB ON DEC 31	307 000	1988
1989	25.1 AT 22:31 CST ON JUL 09	24.9 ON JUL 10	1.26B ON MAR 16 *	216 000	1989
1990	---	32.3E ON MAY 19	1.44B ON MAR 17	233 000	1990
				341 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989

SHAKEBITE CREEK NEAR BEECHY - STATION NO. 05HE001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.020	3.59	0.082	0.181	0.018	0	0	0	---	---	0.477	1970
1971	---	---	0.019	2.11	0.011	0.049	0.029	0	0	0	---	---	0.272	1971
1972	---	---	0.084	0.013	0.008	0.001	0	0	0	0	---	---	0.013	1972
1973	---	---	0.088	0.016	0.015	0	0	0	0	0	---	---	0.015	1973
1974	---	---	0	1.81	0.395	0.020	0.004	0.002	0	0.002	---	---	0.275	1974
1975	---	---	0.028	3.20	0.127	0.020	0	0	0	0	---	---	0.413	1975
1976	---	---	1.93	1.31	0.025	0.248	0.034	0.004	0	0	---	---	0.443	1976
1977	---	---	0.003	0.015	0.004	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.310	0.162	0.234	0.008	0	0	0	0	---	---	0.090	1978
1979	---	---	0.089	0.327	0.017	0.004	0	0	0	0	---	---	0.054	1979
1980	---	---	0.281	0.045	0	0	0	0	0	0	---	---	0.041	1980
1981	---	0.344	0.021	0	0	0.011	0.003	0	0	0	---	---	0.004	1981
1982	---	---	0.001	3.16	0.154	0.111	0.002	0	0	0	---	---	0.421	1982
1983	---	0.002	0.618	0.144	0.020	0.001	0.150	0.002	0	0	---	---	0.118	1983
1984	---	---	0.224	0.013	0.002	0	0	0	0	0	---	---	0.030	1984
1985	---	---	1.42	0.187	0	0	0	0	0	0	---	---	0.202	1985
1986	---	0.015	0.129	0	0	0	0	0	0	0	---	---	0.016	1986
1987	---	---	1.26	0.183	0.001	0	0	0	0	0	---	---	0.181	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.009	0.038	0	0	0	0	0	0	---	---	0.006	1989
1990	---	0	0.292	0.050	0.002	0.053	0.004	0	0	0	---	---	0.050	1990
MEAN	---	0.090	0.325	0.780	0.052	0.034	0.012	0	0	0	---	---	0.149	MEAN

LOCATION - LAT 50 48 06 N DRAINAGE AREA, 861 km²
LONG 107 16 31 W NATURAL FLOW

SHAKEBITE CREEK NEAR BEECHY - STATION NO. 05HE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	22.5 AT 03:26 CST ON APR 09	18.9 ON APR 09 *	0B ON MAR 01 *	10 100	1970
1971	13.5 AT 02:07 CST ON APR 07	9.12 ON APR 08	0B ON MAR 01	5 750	1971
1972	1.15 B AT 07:40 CST ON MAR 22	0.643B ON MAR 21	0B ON MAR 01	283	1972
1973	1.60 B AT 05:35 CST ON MAR 12	0.637B ON MAR 12	0B ON MAR 01	320	1973
1974	18.7 B AT 21:45 CST ON APR 18	12.3 B ON APR 19	0B ON MAR 01	5 820	1974
1975	15.3 B AT 02:27 CST ON APR 18	12.0 B ON APR 18	0B ON MAR 01	8 750	1975
1976	18.0 AT 00:34 CST ON APR 01	13.5 B ON MAR 31	0B ON MAR 01	9 380	1976
1977	0.054B AT 23:02 CST ON APR 06	0.042B ON APR 07	0B ON MAR 01	57.6	1977
1978	11.3 AT 08:51 CST ON MAY 25	5.01 ON MAY 25	0B ON MAR 01	1 900	1978
1979	1.98 AT 16:15 CST ON APR 18	1.65 ON APR 18	0B ON MAR 01	1 140	1979
1980	4.95 AT 08:04 CST ON MAR 29	3.39 ON MAR 29	0B ON MAR 01	870	1980
1981	3.50 B ON FEB 23	0.199 ON JUN 14	0B ON MAR 23	92.1	1981
1982	23.6 AT 23:49 CST ON APR 16 *	17.1 ON APR 17	0B ON MAR 01	8 910	1982
1983	10.9 AT 06:34 CST ON MAR 31	7.53 B ON MAR 30	0 ON JUN 10	2 500	1983
1984	1.97 B AT 07:26 CST ON MAR 21	1.31 B ON MAR 21	0B ON MAR 01	638	1984
1985	10.6 B AT 02:16 CST ON MAR 20	7.56 B ON MAR 20	0 ON MAY 03	4 280	1985
1986	1.16 B AT 10:00 CST ON MAR 03	0.898B ON MAR 02	0B ON MAR 25	346	1986
1987	12.1 AT 07:24 CST ON MAR 05	7.32 B ON MAR 05	0B ON MAR 01	3 840	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	0.370 AT 11:19 CST ON APR 02	0.321 ON APR 03	0B ON MAR 01	123	1989
1990	3.36 AT 21:11 CST ON JUN 07	1.48 ON MAR 29	0B ON MAR 25	1 070	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 150	MEAN

SNIPE LAKE NORTH INFLOW - STATION NO. 05HC003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0.120	0.011	0	0	0	0	0	0	---	---	0.017	1960
1961	---	---	0.017	0	0	0	0	0	0	0	---	---	0.002	1961
1962	---	---	0.002	0.117	0	0	0	0	0	0	---	---	0.015	1962
1963	---	---	0.041	0.001	0	0.001	0.016	0	0	0	---	---	0.007	1963
1964	---	---	0.029	0.046	0	0	0	0	0	0	---	---	0.009	1964
1965	---	---	0	0.774	0.018	0.002	0	0	0	0	---	---	0.097	1965
1966	---	---	0.230	0.038	0.002	0.035	0.002	0	0	0	---	---	0.039	1966
1967	---	---	0	0.135	0.136	0.001	0	0	0	0	---	---	0.034	1967
1968	---	---	0.038	0	0	0	0	0	0.005	0	---	---	0.005	1968
1969	---	---	0	0.814	0	0	0	0	0	0	---	---	0.100	1969
1970	---	---	0	0.588	0.002	0.047	0.093	0.005	0	0	---	---	0.091	1970
1971	---	---	0	0.527	0.008	0	0	0	0	0	---	---	0.066	1971
1972	---	---	0.069	0.076	0.002	0	0	0	0	0	---	---	0.018	1972
1973	---	---	0.111	0.025	0.003	0	0	0	0	0	---	---	0.017	1973
1974	---	---	0	0.553	0.168	0.009	0.005	0	0	0	---	---	0.091	1974
1975	---	---	0	0.345	0.045	0.006	0	0	0	0	---	---	0.049	1975
1976	---	---	0	0.176	0.005	0	0.001	0	0	0	---	---	0.022	1976
1977	---	---	0	0	0.003	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.044	0.003	0	0.002	0	0	0	---	---	0.006	1978
1979	---	---	0.040	0.040	0.005	0	0.021	0	0	0	---	---	0.013	1979
1980	---	---	0.067	0.019	0	0	0	0	0	0	---	---	0.011	1980
1981	---	0.004	0.026	0.002	0	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	0.182	0.012	0.002	0	0	0	0	---	---	0.024	1982
1983	---	---	0.136	0.067	0.005	0	0.039	0	0	0	---	---	0.031	1983
1984	---	---	0.033	0.012	0	0.002	0	0	0	0	---	---	0.006	1984
1985	---	---	0.021	0.486	0.007	0	0	0	0	0	---	---	0.063	1985
1986	---	---	0.134	0.017	0.005	0	0	0	0	0	---	---	0.020	1986
1987	---	---	0.071	0.010	0	0	0	0	0	0	---	---	0.010	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.022	0	0	0	0	0	0	---	---	0.003	1989
1990	---	0	0.067	0	0	0	0	0	0	0	---	---	0.009	1990
MEAN	---	0.002	0.040	0.165	0.014	0.003	0.006	0	0	0	---	---	0.028	MEAN

LOCATION - LAT 51 21 18 N LONG 100 51 46 W

DRAINAGE AREA, 44 km²
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1968

SNIPE LAKE NORTH INFLOW - STATION NO. 05HC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	0.793B ON MAR 20	0B ON MAR 01 *	350	1960
1961	0.263B AT 01:00 ON MAR 23	0.198B ON MAR 23	0B ON MAR 01	45.3	1961
1962	---	0.518B ON APR 06	0B ON MAR 01	309	1962
1963	3.06 AT 22:45 ON JUL 10	0.445 ON MAR 23	0B ON MAR 01	158	1963
1964	---	0.895A ON MAR 31	0B ON MAR 01	197	1964
1965	---	5.13 B ON APR 12 *	0B ON MAR 01	2 060	1965
1966	2.89 AT 01:00 ON MAR 28	1.73 ON MAR 28	0B ON MAR 01	816	1966
1967	2.12 AT 01:15 ON APR 27	1.30 ON APR 27	0 ON MAR 01	717	1967
1968	---	0.238 ON MAR 04	0B ON MAR 12	116	1968
1969	6.85 AT 24:00 CST ON APR 10	4.53 ON APR 11	0B ON MAR 01	2 110	1969
1970	8.50 AT 22:31 CST ON APR 06 *	3.96 ON APR 07	0B ON MAR 01	1 920	1970
1971	3.43 B AT 03:00 CST ON APR 10	2.55 B ON APR 10	0B ON MAR 01	1 390	1971
1972	1.47 B AT 18:31 CST ON MAR 22	0.736B ON MAR 23	0B ON MAR 01	389	1972
1973	0.711B AT 22:42 CST ON MAR 22	0.453B ON MAR 17	0B ON MAR 01	370	1973
1974	3.99 B AT 14:35 CST ON APR 18	2.70 B ON APR 19	0B ON MAR 01	1 920	1974
1975	2.89 AT 00:06 CST ON APR 22	1.74 ON APR 22	0B ON MAR 01	1 030	1975
1976	1.88 AT 21:28 CST ON APR 06	1.28 ON APR 07	0B ON MAR 01	474	1976
1977	0.042 AT 03:04 CST ON MAY 20	0.022 ON MAY 20	0 ON MAR 01	7.43	1977
1978	0.447 AT 19:37 CST ON APR 23	0.252 ON APR 23	0B ON MAR 01	128	1978
1979	2.15 AT 21:33 CST ON JUL 04	0.305 ON JUL 05	0B ON MAR 01	277	1979
1980	0.973B AT 08:52 CST ON MAR 29	0.627B ON MAR 29	0B ON MAR 01	229	1980
1981	0.230 AT 01:20 CST ON MAR 12	0.116R ON MAR 05	0 ON APR 17	72.8	1981
1982	1.69 B AT 18:30 CST ON APR 14	1.23 B ON APR 14	0B ON MAR 01	509	1982
1983	1.06 B AT 23:03 CST ON MAR 29	0.821B ON MAR 30	0B ON MAR 01	656	1983
1984	0.463B AT 07:36 CST ON MAR 24	0.317B ON MAR 24	0B ON MAR 01	124	1984
1985	4.55 AT 22:50 CST ON APR 02	2.73 ON APR 03	0B ON MAR 01	1 330	1985
1986	1.05 B AT 01:02 CST ON MAR 22	0.574B ON MAR 22	0 ON MAY 30	416	1986
1987	0.672B AT 22:25 CST ON MAR 25	0.261B ON MAR 05	0B ON MAR 01	217	1987
1988	0.006 AT 19:07 CST ON APR 04	0.005 ON APR 05	0 ON MAR 01	1.04	1988
1989	0.622 AT 19:05 CST ON APR 02	0.171B ON APR 03	0B ON MAR 01	57.5	1989
1990	0.733B AT 19:44 CST ON MAR 05	0.501B ON MAR 05	0B ON MAR 24	181	1990
				599	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

SOURIS RIVER AT WEYBURN - STATION NO. 05NB028

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	1.98	0.390	0.060	0.041	0.023	0.010	0	0	---	1916
1917	0	0	0	2.17	1.10	0.456	0.044	0	0	0	0	0	0.314	1917
1918	0	0	0.001	0.001	0	0.003	0	0	0	0	0	0	0	1918
1919	0	0	0	0.026	0	0	0	0	0	---	---	---	---	1919
MEAN	0	0	0	0.732	0.77	0.214	0.026	0.010	0.006	0.003	0	0	0.157	MEAN

LOCATION - LAT 49 39 25 N DRAINAGE AREA, 2 240 km²
LONG 103 51 35 W REGULATED

SOURIS RIVER AT WEYBURN - STATION NO. 05NB028

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
1917	---	5.61 ON APR 12 *	0 ON JAN 01 *	9 890	1917
1918	---	0.009 ON JUN 29	0 ON JAN 01	13.0	1918
1919	---	---	---	---	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 950	MEAN

SOURIS RIVER NEAR BECHARD - STATION NO. 05NB031

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	0.490	---	---	---	---	---	---	---	---	---	1965
1966	---	---	1.17	0.385	0	---	---	---	---	---	---	---	---	1966
1967	---	---	---	2.13	0.413	---	---	---	---	---	---	---	---	1967
1968	---	---	0.063	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	9.66	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	2.51	2.90	0.976	---	---	---	---	---	---	---	1970
1971	---	---	---	3.48	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	1.47	---	---	---	---	---	---	---	---	---	1972
1974	---	---	---	---	3.88	---	---	---	---	---	---	---	---	1974
1975	---	---	0	12.9	10.1	0.566	0.035	0	0	0	---	---	2.92	1975
1976	---	---	0	22.3	1.23	4.74	0.587	0.533	0.082	0.016	---	---	3.62	1976
1977	---	---	0	0.004	0.004	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.148	0.742	0.049	0.001	0.041	0.066	0.076	0.011	---	---	0.140	1978
1979	---	---	0	5.31	3.92	0.347	0.376	0	0	0	---	---	1.24	1979
1980	---	---	0.048	0.937	0.001	0	0	0	0	0	---	---	0.121	1980
1981	---	---	0.007	0.001	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0	8.98	2.13	0.179	0.159	0.090	0	0	---	---	1.42	1982
1983	---	---	0	6.13	1.30	1.21	0.764	0.142	0	0	---	---	1.18	1983
1984	---	---	0.057	0.106	0	0.083	0	1.18	0.010	0.004	---	---	0.182	1984
1985	---	---	2.11	1.48	0.032	0	0	0	0	0	---	---	0.453	1985
1986	---	---	0.621	0.072	1.27	0	0	0	0	0	---	---	0.249	1986
1987	---	---	0.228	0.133	0	0	0	0	0	0	---	---	0.045	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.167	0	0	0	0	0	0	---	---	0.020	1989
1990	---	---	0.345	0.388	0	0	0	0.146	0	0	---	---	0.110	1990
MEAN	---	---	0.267	3.56	1.36	0.477	0.123	0.135	0.011	0.002	---	---	0.731	MEAN

LOCATION - LAT 49 59 20 N DRAINAGE AREA, 1 070 km²
LONG 104 11 24 W REGULATED

REMARKS - DATA PRIOR TO 1981 PUBLISHED UNDER THE NAME "SOURIS RIVER BELOW LEWVAN"

SOURIS RIVER NEAR BECHARD - STATION NO. 05NB031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1974	---	---	---	---	1974
1975	75.0 AT 20:50 CST ON APR 29	64.6 ON APR 29	0B ON MAR 01 *	61 900	1975
1976	---	94.6 ON APR 08 *	0B ON MAR 01	76 600	1976
1977	---	0.085 ON MAY 19	0B ON MAR 01	19.0	1977
1978	---	3.57 B ON MAR 31	0B ON MAR 01	2 970	1978
1979	35.6 B AT 23:00 CST ON APR 22	31.3 B ON APR 23	0B ON MAR 01	26 200	1979
1980	5.32 AT 07:26 CST ON APR 02	4.58 B ON APR 01	0B ON MAR 01	2 560	1980
1981	0.085 AT 15:42 CST ON MAR 17	0.041 ON MAR 17	0 ON MAR 01	21.8	1981
1982	84.8 B AT 02:03 CST ON APR 18 *	76.9 B ON APR 18	0B ON MAR 01	30 100	1982
1983	47.6 AT 02:38 CST ON APR 20	42.8 ON APR 20	0B ON MAR 01	24 900	1983
1984	8.34 AT 20:44 CST ON AUG 02	7.03 ON AUG 03	0B ON MAR 01	3 850	1984
1985	16.3 B AT 02:00 CST ON MAR 20	13.2 B ON MAR 20	0B ON MAR 01	9 580	1985
1986	7.50 AT 16:53 CST ON MAY 10	7.23 ON MAY 10	0B ON MAR 01	5 260	1986
1987	2.33 B AT 06:27 CST ON MAR 26	1.59 B ON MAR 26	0B ON MAR 01	955	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	---	0.750B ON APR 08	0B ON MAR 01	433	1989
1990	3.35 AT 22:33 CST ON APR 01	3.21 ON APR 01	0B ON MAR 01	2 320	1990
				15 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR ESTEVAN - STATION NO. 05NB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.124	0.042	0.054	1.15	---	---	---	1911
1912	---	---	---	---	9.25	1.09	0.374	0.146	0.065	0.189	0.125	0.064	---	1912
1913	0.005	0.069	1.10	5.66	0.490	0.351	0.606	0.120	0.019	0.030	0.063	0.027	0.708	1913
1914	0.008	0.014	2.42	5.87	1.84	4.41	0.407	0.083	0.024	0.038	0.022	0.028	1.26	1914
1915	0.029	0.052	0.053	0.085	0.055	0.020	0.034	0.008	0.001	0.001	0.012	0.020	0.031	1915
1916	0.016	0.044	0.078	33.0	6.85	1.27	0.773	0.307	0.096	0.083	0.064	0.043	3.52	1916
1917	0.014	0.015	0.956	11.6	6.14	0.985	0.415	0.046	0.014	0.018	0.033	0.009	1.68	1917
1918	0.003	0.016	2.65	2.53	1.21	0.147	0.025	0.080	0.014	0.011	0.028	0.015	0.564	1918
1919	0.021	0.020	0.024	9.33	0.782	0.058	0.106	0.004	0.001	0.001	0.013	0	0.854	1919
1920	0	0	0	26.6	5.51	0.324	0.036	0.003	0.001	0.005	0.021	0.018	2.68	1920
1921	0.006	0.006	0.440	0.516	0.271	4.21	4.70	0.386	0.107	0.059	0.035	0.021	0.901	1921
1922	0.011	0.022	1.27	14.1	5.62	1.01	0.439	0.021	0.012	0.024	0.052	0.036	1.88	1922
1923	0.017	0.009	0.420	19.2	2.18	---	---	---	---	---	---	---	---	1923
1933	---	---	---	1.58	5.17	5.81	0.347	0.016	0	0	0	0	---	1933
1934	0	0	0.635	0.703	0.053	0.185	0.015	0	0	0	0	0	0.133	1934
1935	0	0	0.002	1.20	0.803	0.188	0.009	0	0	0	0	0	0.183	1935
1936	0	0	0.009	11.1	2.30	0.217	0.018	0	0	0	0	0	1.13	1936
1937	0	0	0	0	0	0.042	0.022	0	0	0	0	0	0.005	1937
1938	0	0	8.09	1.76	0.954	0.065	0.034	0	0	0	0	0	0.921	1938
1939	0	0	10.0	7.18	0.219	0.042	0.001	0	0	0	0	0	1.46	1939
1940	0	0	0	0.009	0.049	0.022	0	0	0	0	0	0	0.007	1940
1941	0	0	0.375	10.4	2.14	0.763	0.082	0.005	0.168	0.265	0.175	0.063	1.20	1941
1942	0.005	0.029	1.76	10.5	2.56	0.842	0.383	0.232	0.077	0.077	0.097	0.032	1.38	1942
1943	0.025	0.009	2.70	57.4	4.66	2.63	0.729	0.135	0.010	0.014	0.019	0.005	5.64	1943
1944	0.006	0.002	0	0.171	0.306	3.89	2.54	0.995	0.385	0.137	0.042	0.023	0.707	1944
1945	0.026	0.030	0.043	0.225	0.061	0.029	0.030	0.004	0	0	0	0.006	0.038	1945
1946	0.010	0.003	4.39	1.81	0.105	0.050	0.131	0	0	0	0	0	0.547	1946
1947	0	0.001	2.77	26.8	5.19	1.03	0.855	0.020	0.367	0.221	0.148	0.111	3.11	1947
1948	0.101	0.068	6.098	42.8	24.7	1.31	0.974	0.187	0.014	0.018	0.034	0.021	5.92	1948
1949	0.024	0.022	0.080	10.4	0.608	0.265	0.041	0.033	0.006	0.004	0.050	0.008	0.952	1949
1950	0.008	0.006	0.584	15.2	3.15	1.87	0.333	0.033	0.008	0.010	0	0	1.76	1950
1951	0	0	0.028	20.9	27.6	1.84	0.194	0.076	0.143	0.288	0.177	0.089	4.30	1951
1952	0.080	0.073	0.707	13.3	0.862	0.081	0.107	0.023	0.041	0	0.025	0.009	1.26	1952
1953	0.001	0	0.544	2.00	2.01	22.3	20.3	2.67	0.300	---	---	---	---	1953
1954	---	---	---	1.94	1.33	2.94	0.654	0.019	0.035	0.197	---	---	---	1954
1955	---	---	0.507	26.4	13.1	2.64	0.375	0	0	0	---	---	---	1955
1960	---	---	---	---	---	0.143	0.091	0.011	0.053	0.009	---	---	---	1960
1961	---	---	0.006	0.011	0.011	0.002	0	0	0	0	---	---	---	1961
1962	---	---	0	0.004	0.798	0.076	0.003	0.001	0	0	---	---	---	1962
1963	---	---	0.004	0.065	0.029	0.201	0.143	0.263	0.101	0.062	---	---	---	1963
1964	---	---	0.019	5.78	1.04	0.155	0.300	0.012	0.006	0.006	---	---	---	1964
1965	---	---	0.035	4.80	13.4	8.16	1.73	0.632	0.296	0.262	---	---	---	1965
1966	---	---	9.72	4.82	0.953	0.034	0.006	0.015	0.015	0.051	---	---	---	1966
1967	---	---	0.336	5.24	5.65	0.229	0.123	0.029	0.184	0.179	---	---	---	1967
1968	---	---	0.254	0.060	0.176	0.069	0.007	0.124	0.006	0.001	---	---	---	1968
1969	---	---	4.78	62.3	11.1	0.820	2.37	0.190	0.385	0.389	---	---	---	1969
1970	---	---	0.088	6.18	41.5	5.48	1.39	0.691	0.211	0.297	---	---	---	1970
MEAN	0.013	0.016	1.38	10.9	4.73	1.76	0.921	0.166	0.070	0.091	0.040	0.021	1.54	MEAN

LOCATION - LAT 49 06 05 N DRAINAGE AREA, 11 300 km²
LONG 102 56 10 W REGULATED

SOURIS RIVER NEAR ESTEVAN - STATION NO. 05NB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	15.1 ON APR 05	0 ON JAN 07 *	22 300	1913
1914	---	17.4 ON JUN 07	0.002B ON JAN 03	39 700	1914
1915	---	0.252 ON JUL 10	0 ON AUG 30	989	1915
1916	---	80.7 ON APR 18	0.013 ON JAN 09	111 000	1916
1917	---	19.9 ON MAY 02	0 B ON DEC 20	53 100	1917
1918	---	16.3 ON MAR 24	0 B ON JAN 04	17 800	1918
1919	---	20.3 B ON APR 05	0 ON SEP 18	26 900	1919
1920	---	49.8 ON APR 25	0 B ON JAN 01	84 700	1920
1921	---	23.2 ON JUN 29	0.001B ON FEB 19	28 400	1921
1922	---	30.6 ON APR 11	0.001B ON JAN 10	59 400	1922
1923	---	---	---	---	1923
1933	---	36.0 ON MAY 31	0 E ON AUG 17	---	1933
1934	---	1.81 ON MAR 20	0 ON JAN 01	4 190	1934
1935	---	5.15 ON APR 21	0 ON JAN 01	5 770	1935
1936	---	38.8 ON APR 19	0 ON JAN 01	35 700	1936
1937	---	0.960 ON JUN 18	0 ON JAN 01	168	1937
1938	---	30.9 ON MAR 24	0 ON JAN 01	29 100	1938
1939	---	45.3 ON MAR 26	0 ON JAN 01	46 200	1939
1940	---	0.099 ON MAY 07	0 ON JAN 01	212	1940
1941	---	27.0 ON APR 09	0 ON JAN 01	17 800	1941
1942	---	26.4 ON APR 09	0 ON JAN 08	43 500	1942
1943	---	136 ON APR 06	0 ON FEB 07	178 000	1943
1944	---	16.8 ON JUN 29	0 ON JAN 08	22 400	1944
1945	---	0.382 ON APR 07	0 ON AUG 13	1 180	1945
1946	---	10.1 ON MAR 15	0 ON FEB 10	17 300	1946
1947	---	49.3 ON APR 17	0 ON JAN 01	98 100	1947
1948	---	215 ON APR 24 *	0 ON SEP 23	187 000	1948
1949	---	32.3 ON APR 05	0 ON SEP 18	30 000	1949
1950	---	30.3 ON APR 22	0 ON MAR 19	55 400	1950
1951	---	71.9 ON MAY 02	0 ON JAN 01	136 000	1951
1952	---	21.4 ON APR 11	0 ON JUN 16	39 800	1952
1953	---	46.2 ON JUL 04	0 ON JAN 02	---	1953
1954	---	6.06 ON JUN 08	0 ON AUG 11	---	1954
1955	---	53.8 ON APR 08	0 ON MAR 01	---	1955
1960	---	---	0 ON JUN 17	---	1960
1961	---	0.023 ON APR 20	0 ON JUN 21	---	1961
1962	4.98 AT 06:30 CST ON MAY 20	4.30 ON MAY 17	0 ON MAR 01	---	1962
1963	1.44 AT 08:00 CST ON AUG 26	1.16 ON AUG 26	0 B ON MAR 01	---	1963
1964	16.3 AT 14:00 CST ON APR 14	16.1 ON APR 14	0.006 ON MAR 01	---	1964
1965	---	34.0 E ON MAY 31	---	---	1965
1966	---	25.5 E ON MAR 19	0 ON OCT 26	---	1966
1967	18.4 AT 09:00 CST ON MAY 12 *	18.0 ON MAY 11	0 B ON MAR 10	---	1967
1968	0.864 AT 21:00 CST ON MAR 06	0.685 ON MAR 06	0.001 ON JUN 26	---	1968
1969	---	197 E ON APR 15	0 ON SEP 04	---	1969
1970	---	69.4 E ON MAY 09	0 ON SEP 20	---	1970
				48 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR GLEN EWEN - STATION NO. 05ND001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.473	0.416	0.526	2.05	---	---	---	1911
1912	---	---	---	---	---	---	0.603	0.449	0.284	0.347	---	---	---	1912
1913	---	---	---	---	14.6	3.09	1.17	1.11	0.484	0.265	0.522	---	---	1913
1914	---	---	---	17.9	2.67	1.17	1.11	0.484	0.265	0.306	0.433	---	---	1914
	---	---	---	9.30	5.19	4.80	1.35	0.265	0.306	0.433	---	---	---	
1915	---	---	0.005	0.415	0.364	0.498	0.719	0.106	0.031	0.031	---	---	---	1915
1916	---	---	---	---	14.7	4.17	2.56	0.814	0.197	0.273	---	---	---	1916
1917	---	---	---	---	16.2	2.18	0.750	0.228	0.135	0.194	---	---	---	1917
1970	---	---	0.655	14.1	56.8	10.5	4.25	0.978	0.561	0.776	---	---	---	1970
1971	0.091	0.146	0.971	24.7	9.04	1.46	7.70	0.969	2.29	1.90	1.09	0.138	4.20	1971
1972	0.048	0.017	32.1	20.6	4.69	9.98	2.33	1.71	1.46	0.246	0.881	0.238	6.20	1972
1973	0.120	0.074	1.69	0.800	0.018	0.716	0.078	0.017	0.010	0.066	0.151	0.141	0.176	1973
1974	0.030	0.015	0.459	77.9	51.3	8.34	3.55	0.495	0.178	0.195	0.148	0.184	11.9	1974
1975	0.126	0.106	0.254	39.7	111	18.7	3.23	1.40	3.54	1.98	1.41	1.21	15.3	1975
1976	1.07	1.27	21.4	191	37.0	27.5	12.6	3.06	1.29	0.440	0.449	0.165	24.6	1976
1977	0.176	0.139	0.548	1.23	0.959	0.535	0.103	0.018	0.011	0.027	0.175	0.112	0.336	1977
1978	0.044	0.020	1.47	15.8	3.29	2.57	16.6	2.10	1.98	1.85	0.453	0.227	4.06	1978
1979	0.140	0.041	3.70	60.6	92.5	8.71	2.01	0.667	0.231	0.127	0.236	0.219	14.8	1979
1980	0.066	0.052	0.312	6.58	1.01	0.088	0.013	0.009	0.011	0.029	0.062	0.061	0.683	1980
1981	0.048	2.43	0.684	0.250	0.082	0.012	0	0.015	0	0.001	0.080	0.078	0.291	1981
1982	0.033	0.018	0.183	50.2	25.8	2.16	1.47	0.177	0.073	0.193	0.167	0.131	6.67	1982
1983	0.126	0.667	3.21	40.7	19.6	2.64	1.36	0.180	0.020	0.030	0.155	0.107	5.72	1983
1984	0.074	0.339	1.95	0.981	0.410	0.035	0.016	0	0	0.015	0.021	0.020	0.323	1984
1985	0.005	0.001	7.10	5.03	1.77	0.248	0.032	0.021	0.123	0.316	0.146	0.050	1.24	1985
1986	0.057	0.227	4.78	2.12	3.12	1.14	1.55	1.69	0.101	0.126	0.276	0.098	1.29	1986
1987	0.059	0.092	5.52	7.81	0.952	0.234	0.034	0.018	0.018	0.011	0.024	0.010	1.23	1987
1988	0	0	0.030	0.050	0.060	0	0	0	0	0	0	0	0.012	1988
1989	0	0	0.173	6.30	0.240	0.012	0.008	0	0	1.31	0.089	0.029	0.675	1989
1990	0	0	0.777	1.20	0.199	0.017	0.573	0.034	0	0	0	0	0.234	1990
MEAN	0.116	0.286	4.09	25.1	17.6	4.13	2.32	0.583	0.487	0.478	0.301	0.161	5.01	MEAN

LOCATION - LAT 49 11 02 N
LONG 102 01 42 W
DRAINAGE AREA, 22 100 km²
REGULATED

SOURIS RIVER NEAR GLEN EWEN - STATION NO. 05ND001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1970	---	---	---	---	1970
1971	47.6 AT 06:09 CST ON APR 18	47.0 ON APR 17	0.065B ON DEC 30	132 000	1971
1972	99.1 AT 07:34 CST ON MAR 25	97.4 ON MAR 25	0.031B ON JAN 31	196 000	1972
1973	4.30 B AT 16:36 CST ON MAR 15	1.94 B ON MAR 15	0.001 ON SEP 14	11 900	1973
1974	206 AT 04:05 CST ON APR 19	200 ON APR 19	0.013B ON FEB 04	375 000	1974
1975	204 AT 18:26 CST ON MAY 04	202 ON MAY 05	0.085B ON MAR 02	483 000	1975
1976	411 AT 18:44 CST ON APR 09 *	385 ON APR 09 *	0.130B ON DEC 30	777 000	1976
1977	2.15 AT 16:41 CST ON APR 5	2.14 ON APR 16	0.004E ON SEP 04	10 600	1977
1978	47.6 AT 15:10 CST ON APR 04	46.7 ON APR 04	0.012B ON JAN 29	128 000	1978
1979	236 AT 14:30 CST ON APR 29	235 ON APR 29	0.020B ON FEB 08	468 000	1979
1980	17.4 B AT 13:00 CST ON APR 03	15.5 B ON APR 03	0.001 ON JUL 10	21 600	1980
1981	11.3 B AT 15:06 CST ON FEB 19	9.91 B ON FEB 20	0 ON JUL 05 *	9 190	1981
1982	159 AT 13:50 CST ON APR 16	139 B ON APR 16	0.001B ON FEB 21	210 000	1982
1983	72.4 AT 11:02 CST ON APR 21	70.7 ON APR 21	0.003 ON SEP 21	180 000	1983
1984	7.91 B AT 09:20 CST ON MAR 24	7.38 B ON MAR 24	0 ON JUL 29	10 200	1984
1985	33.2 B AT 07:52 CST ON MAR 20	29.8 B ON MAR 20	0 B ON FEB 19	39 300	1985
1986	14.1 B AT 17:23 CST ON MAR 04	13.1 B ON MAR 04	0.003B ON FEB 10	40 700	1986
1987	31.0 B AT 11:40 CST ON APR 03	29.6 B ON APR 03	0 B ON DEC 24	38 900	1987
1988	0.154 AT 22:31 CST ON MAY 16	0.143 ON MAY 16	0 B ON JAN 01	372	1988
1989	34.7 B AT 23:15 CST ON APR 02	32.0 B ON APR 03	0 B ON JAN 01	21 300	1989
1990	8.00 B AT 21:07 CST ON APR 01	7.09 B ON APR 02	0 B ON JAN 01	7 390	1990
				158 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR HALBRITE - STATION NO. 05NB017

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0.032	0.008	0	0.021	0.005	0	0.003	0.104	---	---	0.022	1959
1960	---	---	0.335	10.1	0.527	0.084	0.001	0.002	0	0	---	---	1.16	1960
1961	---	---	0.184	0.068	0	0	0	0	0	0	---	---	0.032	1961
1962	---	---	0.342	0.276	0.028	0.052	0	0	0	0	---	---	0.087	1962
1963	---	---	0.498	0.030	0.002	0.170	0.700	0.069	0.166	0.001	---	---	0.204	1963
1964	---	---	0.032	1.93	0.198	0	0.014	0	0	0	---	---	0.258	1964
1965	---	---	0	1.52	2.51	2.70	0.179	0	0.143	0.007	---	---	0.876	1965
1966	---	---	1.85	1.23	0.273	0.021	0	0	0	0	---	---	0.672	1966
1967	---	---	0.173	2.85	0.563	0.059	0.009	0	0	0	---	---	0.450	1967
1968	---	---	0.309	0.049	0.014	0	0	0.409	0.071	0.013	---	---	0.109	1968
1969	---	---	0.138	24.8	5.50	0.136	0.603	0.033	0.012	0.047	---	---	3.86	1969
1970	---	---	0.007	4.96	11.2	1.86	0.352	0.180	0.006	0.015	---	---	2.16	1970
1971	---	---	0.241	12.0	2.03	0.161	1.20	0.025	0.110	0.080	---	---	1.95	1971
1972	---	---	5.34	2.20	0.177	0.074	0.019	0.015	0.012	0.001	---	---	0.983	1972
1973	---	---	0.116	0.045	0.018	0.030	0.005	0	0.125	0.018	---	---	0.044	1973
1974	---	---	0	27.9	15.1	0.865	0.021	0.042	0.013	0.011	---	---	5.44	1974
1975	---	---	0.013	28.6	32.7	1.66	0.192	0.106	0.084	0.060	---	---	7.90	1975
1976	---	---	2.50	53.1	7.03	11.7	2.62	1.01	0.180	0.068	---	---	9.88	1976
1977	---	---	0	0.098	0.170	0.017	0.026	0.035	0.059	0.040	---	---	0.056	1977
1978	---	---	1.65	1.94	0.385	1.02	2.62	0.103	0.146	0.104	---	---	1.02	1978
1979	---	---	0.153	25.2	17.8	2.79	3.881	0.066	0.062	0.045	---	---	5.94	1979
1980	---	---	0.656	1.73	0.056	0.021	0.012	0.011	0.025	0.039	---	---	0.315	1980
1981	---	0.111	0.087	0.043	0.010	0.004	0	0	0	0.011	0.033	---	0.019	1981
1982	---	---	0.008	21.5	8.19	0.315	0.108	0.025	0.046	0.012	---	---	3.73	1982
1983	---	---	0.043	15.0	5.45	1.61	0.340	0.170	0.044	0.011	---	---	2.81	1983
1984	---	---	0.030	0.140	0.049	0.001	0	0	0	0	---	---	0.028	1984
1985	---	---	1.36	2.42	0.148	0.011	0	0.006	0.003	0.080	---	---	0.499	1985
1986	---	---	1.09	0.403	2.83	0.017	0	0.005	0	0.078	---	---	0.552	1986
1987	---	---	0.318	0.282	0.011	0	0	0	0	0.018	---	---	0.078	1987
1988	---	---	0	0.231	0.008	0	0	0	0	0	---	---	0.029	1988
1989	---	---	0	0.153	0.276	0.002	0	0	0	0	---	---	0.054	1989
1990	---	---	0.007	0.065	0.212	0.026	0.048	0.017	0.062	0.006	0.002	---	0.055	1990
MEAN	---	0.111	0.612	7.53	3.55	0.857	0.318	0.073	0.042	0.033	0.018	---	1.61	MEAN

LOCATION - LAT 49 29 37 N DRAINAGE AREA, 3 190 km^2
LONG 103 39 44 W REGULATED

SOURIS RIVER NEAR HALBRITE - STATION NO. 05NB017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.408 ON JUN 27	0 B ON MAR 01 *	462	1959
1960	---	34.5 ON APR 05	0 B ON MAR 01	28 800	1960
1961	---	1.22 A ON MAR 18	0 A ON MAR 01	668	1961
1962	---	4.19 B ON MAR 28	0 B ON MAR 01	1 840	1962
1963	8.67 AT 03:00 CST ON JUL 28	7.16 ON JUL 28	0 B ON MAR 01	4 320	1963
1964	5.64 B AT 21:30 CST ON APR 03	5.44 B ON APR 03	0 B ON MAR 01	5 660	1964
1965	11.7 AT 22:00 CST ON MAY 28	11.1 ON JUN 03	0 B ON MAR 01	18 500	1965
1966	15.3 B AT 06:30 CST ON MAR 18	14.7 B ON MAR 18	0 B ON MAR 01	14 200	1966
1967	7.50 AT 06:45 CST ON APR 12	6.77 ON APR 18	0 B ON MAR 01	6 530	1967
1968	3.26 AT 17:00 CST ON AUG 22	2.89 ON AUG 22	0 ON JUN 11	2 310	1968
1969	64.6 AT 20:34 CST ON APR 12	62.9 ON APR 12	0 B ON MAR 01	81 600	1969
1970	22.3 AT 10:46 CST ON MAY 04	20.9 ON MAY 05	0 B ON MAR 01	49 900	1970
1971	25.7 B AT 17:49 CST ON APR 09	22.2 B ON APR 10	0 ON AUG 04	41 300	1971
1972	20.1 B AT 15:29 CST ON MAR 21	19.8 B ON MAR 21	0 B ON MAR 01	20 800	1972
1973	1.28 AT 05:52 CST ON SEP 04	1.07 ON SEP 04	0 ON JUN 24	940	1973
1974	95.7 AT 19:29 CST ON APR 19	95.4 ON APR 19	0 B ON MAR 01	115 000	1974
1975	89.2 AT 03:33 CST ON APR 30	88.1 ON APR 30	0.001E ON JUL 24	167 000	1975
1976	88.6 AT 09:05 CST ON APR 07	87.8 ON APR 07	0.014B ON MAR 01	209 000	1976
1977	0.804 AT 13:47 CST ON MAY 15	0.603 ON MAY 20	0 B ON MAR 01	1 180	1977
1978	19.2 AT 21:59 CST ON JUL 09	16.3 B ON MAR 30	0 B ON MAR 01	21 600	1978
1979	123 * AT 02:56 CST ON APR 23 *	118 ON APR 23 *	0 B ON MAR 01	124 000	1979
1980	8.75 B AT 10:39 CST ON APR 04	7.12 B ON APR 04	0 B ON MAR 01	6 670	1980
1981	0.584B AT 14:30 CST ON FEB 18	0.424B ON MAR 30	0 ON JUN 26	410	1981
1982	88.1 AT 17:50 CST ON APR 19	84.7 ON APR 19	0 B ON MAR 01	78 900	1982
1983	34.7 AT 08:24 CST ON APR 12	33.8 ON APR 12	0.004 ON SEP 26	59 400	1983
1984	0.536 AT 08:46 CST ON APR 27	0.519 ON APR 27	0 ON JUN 04	597	1984
1985	5.60 B AT 13:00 CST ON MAR 28	5.40 B ON MAR 28	0 B ON MAR 01	10 600	1985
1986	20.0 AT 15:51 CST ON MAY 12	15.3 ON MAY 12	0 ON JUN 01	11 800	1986
1987	2.21 B AT 03:04 CST ON MAR 24	1.89 B ON MAR 24	0 B ON MAR 01	1 660	1987
1988	0.432B AT 01:53 CST ON APR 03	0.397B ON APR 02	0 B ON MAR 01	621	1988
1989	1.27 AT 05:01 CST ON APR 06	0.938 ON APR 06	0 B ON MAR 01	1 140	1989
1990	1.31 AT 08:50 CST ON JUL 03	0.758 ON MAY 03	0 B ON MAR 01	1 170	1990
				34 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR LEWVAN - STATION NO. 05NB025

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	2.10	0.344	0.042	0.014	0	0	0	---	---	0.308	1971
1972	---	---	0.990	0.514	0.109	0.002	0	0	0	0	---	---	0.202	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	5.85	1.09	0.057	0.009	0.012	0	0	---	---	0.863	1974
1975	---	---	0	7.34	5.02	0.617	0.032	0	0	0	---	---	1.61	1975
1976	---	---	0	12.1	0.884	1.83	0.331	0.406	0.072	0.022	---	---	1.92	1976
1977	---	---	0	0.008	0	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.070	0.390	0.058	0.004	0.130	0.052	0.110	0.007	---	---	0.102	1978
1979	---	---	0	4.18	2.27	0.292	0.035	0	0	0	---	---	0.840	1979
1980	---	---	0.032	0.407	0.001	0	0	0	0	0	---	---	0.054	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	4.03	0.674	0.098	0.012	0	0	0	---	---	0.592	1982
1983	---	---	0	3.56	0.332	0.714	0.099	0.007	0	0	---	---	0.579	1983
1984	---	---	0.109	0.046	0	0	0	1.40	0.010	0.006	---	---	0.199	1984
1985	---	---	1.31	1.13	0.005	0	0	0	0	0	---	---	0.304	1985
1986	---	---	0.468	0.076	0.454	0	0	0	0	0	---	---	0.126	1986
MEAN	---	---	0.186	2.61	0.703	0.229	0.041	0.117	0.012	0.002	---	---	0.481	MEAN

LOCATION - LAT 49 58 37 N
LONG 104 04 33 W
DRAINAGE AREA, 590 km^2
REGULATED

SOURIS RIVER NEAR LEWVAN - STATION NO. 05NB025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	11.6 B ON APR 07	0B ON MAR 01 *	6 520	1971
1972	---	4.30 B ON MAR 24	0B ON MAR 01	4 280	1972
1973	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1973
1974	47.0 AT 23:15 CST ON APR 18	39.4 ON APR 18	0B ON MAR 01	18 300	1974
1975	34.3 AT 08:21 CST ON APR 29	33.1 ON APR 29	0B ON MAR 01	34 200	1975
1976	55.8 AT 18:23 CST ON APR 07 *	53.5 ON APR 07 *	0B ON MAR 01	40 700	1976
1977	---	0.028E ON APR 09	0B ON MAR 01	20.7	1977
1978	2.11A AT 20:25 CST ON APR 02	1.74 ON APR 03	0B ON MAR 01	2 150	1978
1979	33.5 B AT 16:45 CST ON APR 21	21.6 B ON APR 22	0B ON MAR 01	17 800	1979
1980	1.11 AT 06:13 CST ON APR 02	1.09 ON APR 02	0B ON MAR 01	1 140	1980
1981	---	0 ON MAR 01	0 ON MAR 01	0	1981
1982	43.6 AT 15:50 CST ON APR 17	27.6 ON APR 18	0B ON MAR 01	12 500	1982
1983	27.6 AT 03:52 CST ON APR 19	25.1 ON APR 19	0B ON MAR 01	12 300	1983
1984	27.9 AT 09:58 CST ON AUG 01	21.7 ON AUG 01	0B ON MAR 01	4 210	1984
1985	8.76B AT 23:30 CST ON MAR 19	6.60 B ON MAR 19	0B ON MAR 01	6 450	1985
1986	3.02 AT 05:25 CST ON MAY 10	2.46 ON MAY 10	0B ON MAR 01	2 670	1986
				10 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR MACOUN - STATION NO. 05NB010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	---	---	3.40	2.60	0.099	0	0	---	---	---	1956
1957	---	---	1.03	0.050	0.192	0.005	0	0.114	0.060	0	---	---	---	1957
1958	---	---	0.120	2.12	0.165	0.008	0.497	0.085	0	0	---	---	---	1958
MEAN	---	---	0.575	1.49	0.179	1.14	1.03	0.099	0.020	0	---	---	---	MEAN

LOCATION - LAT 49 11 55 N LONG 103 15 40 W DRAINAGE AREA, 5 230 km²
REGULATED

SOURIS RIVER NEAR MACOUN - STATION NO. 05NB010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	0 ON AUG 20 *	---	1956
1957	---	5.21 ON MAR 29	0E ON MAR 01	---	1957
1958	---	6.60 ON APR 07 *	0B ON MAR 01	---	1958
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR MCTAGGART - STATION NO. 05NB030

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	5.29	---	---	---	---	---	---	---	---	1970
1974	---	---	---	---	10.1	---	---	---	---	---	---	---	---	1974
1975	---	---	0	14.0	23.5	0.732	0.050	0.035	0.003	0	---	---	4.78	1975
1976	---	---	0.005	36.9	4.68	7.60	1.68	0.599	0.096	0.007	---	---	6.34	1976
1977	---	---	0	0.155	0	0	0	0	0	0	---	---	0.019	1977
1978	---	---	0.463	1.19	0.040	0.111	0.723	0	0.054	0.007	---	---	0.322	1978
1979	---	---	0	10.9	10.2	0.432	0.382	0	0	0	---	---	2.72	1979
1980	---	---	0.114	1.02	0.003	0	0	0	0	0	---	---	0.140	1980
1981	---	---	0.019	0.004	0	0.005	0	0	0	0	---	---	0.004	1981
1982	---	---	0	13.7	5.59	0.226	0.167	0.150	0	0	---	---	2.45	1982
1983	---	---	0	9.43	3.35	1.99	0.659	0.220	0	0	---	---	1.93	1983
1984	---	---	0.236	0.115	0	0.027	0.008	1.05	0.006	0.011	---	---	0.183	1984
1985	---	---	3.54	1.48	0.005	0	0	0	0	0	---	---	0.630	1985
1986	---	0	2.49	0.039	1.97	0.010	0.014	0	0	0	---	---	0.572	1986
1987	---	---	0.249	0.276	0	0	0	0	0	0	---	---	0.065	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.309	0.001	0	0	0	0	0	---	---	0.038	1989
1990	---	---	0.210	0.635	0	0	0.038	0.028	0.006	0	---	---	0.113	1990
MEAN	---	0	0.458	5.63	3.60	0.696	0.233	0.130	0.010	0.002	---	---	1.27	MEAN

LOCATION - LAT 49 46 10 N LONG 104 00 56 W DRAINAGE AREA, 2 020 km²
REGULATED

SOURIS RIVER NEAR MCTAGGART - STATION NO. 05NB030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1974	---	---	---	---	1974
1975	---	47.6 ON APR 29	0B ON MAR 01 *	101 000	1975
1976	50.7 AT 14:03 CST ON APR 14 *	50.1 ON APR 14 *	0B ON MAR 01	134 000	1976
1977	---	0.844E ON APR 10	0B ON MAR 01	403	1977
1978	---	3.99 ON JUL 09	0B ON MAR 01	6 820	1978
1979	35.6 B AT 11:30 CST ON APR 22	34.5 B ON APR 22	0B ON MAR 01	57 600	1979
1980	4.60B AT 17:30 CST ON APR 03	4.26 B ON APR 03	0B ON MAR 01	2 960	1980
1981	---	0.081E ON MAR 19	0E ON MAR 01	76.0	1981
1982	32.6 AT 01:55 CST ON APR 22	32.2 ON APR 22	0B ON MAR 01	51 900	1982
1983	26.5 AT 23:44 CST ON APR 19	25.2 ON APR 19	0B ON MAR 01	40 900	1983
1984	4.31 AT 17:37 CST ON AUG 05	4.19 ON AUG 05	0B ON MAR 01	3 880	1984
1985	13.6 B AT 06:33 CST ON MAR 22	13.1 B ON MAR 22	0B ON MAR 01	13 300	1985
1986	---	8.23 ON MAY 11	0 ON JUN 23	12 100	1986
1987	1.88 AT 24:00 CST ON MAR 31	1.79 ON APR 01	0B ON MAR 01	1 380	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	1.75B AT 03:31 CST ON APR 14	1.63 B ON APR 14	0B ON MAR 01	803	1989
1990	4.40 AT 05:38 CST ON APR 01	4.29 ON APR 01	0B ON MAR 01	2 400	1990
				26 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR MIDALE - STATION NO. 05NB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	0.061	0.496	0.758	0.267	0.235	0.030	---	---	---	---	1944
MEAN	---	---	---	0.061	0.496	0.758	0.267	0.235	0.030	---	---	---	---	MEAN

LOCATION - LAT 49 22 45 N LONG 103 35 35 W DRAINAGE AREA, 4 010 km² REGULATED

SOURIS RIVER NEAR MIDALE - STATION NO. 05NB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	0 ON APR 01 *	---	1944
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SOURIS RIVER NEAR OXBOW - STATION NO. 05ND003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	24.5	29.8	8.73	7.24	12.2	3.63	0.640	0.553	---	---	---	1928
1929	---	---	1.17	2.37	1.82	4.06	0.302	0	0	0.002	---	---	---	1929
1930	---	---	---	---	2.08	0.659	0.541	0.045	0	0	---	---	---	1930
1943	---	---	---	78.4	7.74	3.95	1.87	0.313	0.189	0	---	---	---	1943
1944	---	---	---	1.32	0.643	6.38	7.97	1.28	0.529	---	---	---	---	1944
1945	---	---	---	0.645	0.275	0.465	0.758	0.226	0.056	0.100	---	---	---	1945
1946	---	---	---	6.23	0.515	0.429	0.315	0.044	0.033	0.041	---	---	---	1946
1947	---	---	---	44.3	8.75	7.34	3.21	0.482	0.617	---	---	---	---	1947
1948	---	---	---	---	44.4	3.36	2.07	0.750	0.086	0.066	---	---	---	1948
1949	---	---	---	21.8	1.32	1.10	0.228	0.132	0.009	0.067	---	---	---	1949
1950	---	---	---	26.5	8.59	3.59	1.43	0.940	0.245	0.164	---	---	---	1950
1951	---	---	---	35.1	37.8	4.32	0.550	0.344	0.334	0.531	---	---	---	1951
1952	---	---	---	19.6	2.33	0.708	0.488	0.045	0.151	0.128	---	---	---	1952
1953	---	---	---	8.26	4.07	29.8	28.5	3.66	0.417	0.136	---	---	---	1953
1954	---	---	---	4.76	3.55	13.1	4.29	0.984	1.41	1.55	2.08	---	---	1954
1955	---	---	---	59.1	34.4	9.46	3.43	0.929	0.692	0.905	---	---	---	1955
1956	---	---	4.48	47.8	14.1	4.40	5.37	1.51	0.367	0.568	---	---	---	1956
1957	---	---	4.53	7.58	2.65	0.981	0.286	0.623	0.271	0.202	---	---	---	1957
1958	---	---	4.50	8.36	0.937	0.099	0.030	0.016	0.008	0.007	---	---	---	1958
1959	---	---	4.39	0.683	0.245	0.190	0.077	0.012	0.007	1.03	0.470	0.108	---	1959
1960	0.072	0.046	4.55	30.9	2.93	0.381	0.107	0.178	0.009	0.006	0.006	0.003	3.24	1960
1961	0.003	0.005	0.935	0.081	0.142	0.095	0.005	0.006	0.006	0.003	0.002	0	0.108	1961
1962	0	0	1.03	0.469	0.702	1.23	0.101	0.002	0	0	0	0	0.296	1962
1963	0	0	1.77	0.549	0.585	1.73	1.07	1.04	0.584	0.045	0.040	0.004	0.622	1963
1964	0	0.003	0.277	11.3	2.98	0.321	0.357	0.043	0.004	0.006	0.005	0.003	1.26	1964
1965	0	0.002	0.130	6.01	11.0	13.4	2.96	1.03	0.369	0.122	0.138	0.103	2.94	1965
1966	0.058	0.028	15.2	6.18	1.90	0.451	0.064	0.050	0.041	0.017	0.014	0.009	2.02	1966
1967	0.007	0.003	0.885	6.09	7.03	0.832	0.112	0.003	0.003	0.003	0.003	0.003	1.25	1967
1968	0.003	0.003	3.34	0.520	0.257	0.064	0.001	0.038	0.073	0.014	0.003	0.007	0.365	1968
1969	0.008	0.006	4.05	103	18.1	1.82	5.15	0.576	0.267	0.417	0.147	0.028	11.1	1969
1970	0.028	0.043	0.842	14.1	56.5	9.26	3.81	0.921	0.558	0.766	0.585	0.154	7.37	1970
MEAN	0.016	0.013	4.50	20.1	9.26	4.23	2.83	0.640	0.257	0.257	0.269	0.035	2.78	MEAN

LOCATION - LAT 49 12 55 N LONG 102 10 14 W DRAINAGE AREA, 21 900 km² REGULATED

SOURIS RIVER NEAR OXBOW - STATION NO. 05ND003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1928	---	88.1 B ON MAR 24	---	---	1928
1929	---	10.2 ON JUN 01	0 ON AUG 03 *	---	1929
1930	---	---	0 ON AUG 10	---	1930
1943	---	161 B ON APR 09	0 ON SEP 18	---	1943
1944	---	36.5 ON JUL 01	---	---	1944
1945	---	---	0 ON AUG 30	---	1945
1946	---	114 ON MAR 27	---	---	1946
1947	---	73.3 ON APR 18	0 ON SEP 25	---	1947
1948	---	215 ON APR 27	0 B ON APR 11	---	1948
1949	---	85.0 B ON APR 09	0 ON JUN 12	---	1949
1950	---	47.6 ON APR 18	---	---	1950
1951	---	85.9 ON MAY 08	---	---	1951
1952	---	37.7 B ON MAR 31	---	---	1952
1953	---	54.7 ON JUL 07	0 ON OCT 10	---	1953
1954	---	36.2 ON JUN 16	---	---	1954
1955	---	113 ON APR 03	---	---	1955
1956	---	120 ON APR 12	---	---	1956
1957	---	23.8 ON MAR 23	---	---	1957
1958	---	32.8 ON MAR 29	---	---	1958
1959	---	22.7 ON MAR 20	0 E ON MAR 01	---	1959
1960	---	84.7 ON APR 05	0.003 ON JUL 29	102 000	1960
1961	---	3.43 ON MAR 17	0 A ON JUN 13	3 420	1961
1962	---	14.4 ON MAR 28	0 ON JAN 01	9 330	1962
1963	---	12.7 B ON MAR 23	0 B ON JAN 01	19 600	1963
1964	---	18.7 B ON APR 04	0 B ON JAN 01	40 000	1964
1965	---	28.3 ON JUN 07	0 B ON JAN 01	92 700	1965
1966	---	40.2 ON MAR 31	0.003 ON JUL 23	63 600	1966
1967	---	17.0 ON MAY 13	0.003B ON FEB 01	39 500	1967
1968	---	12.5 B ON MAR 08	0.001 ON JUN 30	11 500	1968
1969	---	239 B ON APR 11 *	0 B ON NOV 16	349 000	1969
1970	---	83.3 ON MAY 14	0.028 ON JAN 01	232 000	1970
				87 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR ROCHE PERCEE - STATION NO. 05NB009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	3.94	26.6	8.70	2.86	3.39	0.080	0.021	0.009	---	---	5.65	1956
1957	---	---	1.63	1.84	0.315	0.036	0.001	0	0	0	---	---	0.476	1957
1958	---	---	0.620	2.22	0.233	0.011	0	0	0	0.003	---	---	0.387	1958
1959	---	---	2.58	0.194	0.005	0.016	0.004	0.031	0.196	0.593	---	---	0.456	1959
1960	---	---	4.98	20.5	1.93	0.266	0.128	0.297	0.008	0.010	---	---	3.48	1960
1961	---	---	0.393	0.068	0.018	0.004	0.006	0	0	0	---	---	0.062	1961
1962	---	---	0.603	0.088	0.572	0.602	0.015	0	0	0	---	---	0.235	1962
1963	---	---	0.158	0.121	0.412	1.13	0.705	0.736	0.201	0.050	---	---	0.439	1963
1964	---	---	0.034	7.78	1.44	0.446	0.353	0.016	0.006	0.006	---	---	1.24	1964
1969	---	---	4.08	69.0	11.4	1.02	2.90	0.141	0.619	0.327	---	---	11.0	1969
1970	---	---	0.407	6.52	45.8	5.91	1.87	0.651	0.409	0.297	---	---	7.78	1970
1971	---	---	0.569	15.9	4.79	0.376	7.37	0.909	3.14	0.918	---	---	4.23	1971
1972	---	---	24.5	10.4	2.66	7.60	1.13	1.70	1.02	0.223	---	---	6.15	1972
1973	---	---	0.555	0.209	0.131	0.293	0.004	0	0.147	0.168	---	---	0.188	1973
1974	---	---	1.06	62.1	34.1	4.40	3.08	0.183	0.045	0.090	---	---	13.0	1974
1975	---	---	0.100	39.5	78.6	11.9	0.621	0.281	1.20	0.740	---	---	16.6	1975
1976	---	---	23.5	132	19.6	25.6	7.82	1.52	0.587	0.353	---	---	26.0	1976
1977	---	---	0.073	0.113	0.106	0.061	0.007	0.006	0.017	0.117	---	---	0.063	1977
1978	---	---	2.67	11.6	1.90	2.31	16.8	1.59	2.33	1.68	---	---	5.10	1978
1979	---	---	4.45	69.0	64.8	5.45	0.808	0.239	0.126	0.030	---	---	18.0	1979
1980	---	---	0.281	2.76	0.372	0.020	0.004	0.005	0.007	0.021	---	---	0.428	1980
1981	---	0.677	0.212	0.034	0.051	0.005	0.007	0.038	0.002	0.011	---	---	0.045	1981
1982	---	---	0.336	42.4	18.3	0.942	1.12	0.099	0.051	0.181	---	---	7.85	1982
1983	---	---	3.22	31.6	11.1	0.931	0.951	0.081	0.016	0.054	---	---	5.94	1983
1984	---	---	0.381	0.167	0.199	0.004	0	0	0	0.002	---	---	0.094	1984
1985	---	---	1.62	3.25	0.523	0.041	0	0.137	0.021	0.117	---	---	0.709	1985
1986	---	---	1.20	1.22	2.82	0.430	1.36	0.881	0.005	0.119	---	---	1.01	1986
1987	---	---	1.96	2.48	0.232	0.011	0.011	0.001	0	0	---	---	0.584	1987
1988	---	---	0.012	0.027	0.015		0.001	0	0	0	---	---	0.007	1988
1989	---	---	1.12	1.97	0.052	0.002	0.009	0	0.004	1.71	---	---	0.607	1989
1990	---	---	0.020	0.157	0.054	0.029	0.333	0.023	0.002	0.030	---	---	0.081	1990
MEAN	---	0.677	2.81	18.1	10.0	2.35	1.64	0.314	0.328	0.254	---	---	4.45	MEAN

LOCATION - LAT 49 04 34 N
LONG 102 45 53 W
DRAINAGE AREA, 12 700 km^2
REGULATED

SOURIS RIVER NEAR ROCHE PERCEE - STATION NO. 05NB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	40.5 ON APR 14	0.003 ON SEP 21	120 000	1956
1957	---	6.26 ON MAR 29	0 B ON MAR 01 *	10 100	1957
1958	---	8.07 ON APR 07	0 B ON MAR 01	8 190	1958
1959	---	11.6 B ON MAR 19	0 ON MAY 11	9 640	1959
1960	---	36.8 ON APR 07	0 B ON MAR 01	73 600	1960
1961	---	2.55 ON MAR 17	0 B ON MAR 01	1 310	1961
1962	---	4.02 ON MAR 25	0 B ON MAR 01	4 980	1962
1963	---	6.17 ON JUN 07	0 B ON MAR 01	9 280	1963
1964	---	17.8 ON APR 15	0 B ON MAR 01	26 300	1964
1969	---	204 ON APR 15	0.005 ON AUG 26	233 000	1969
1970	---	74.8 ON MAY 10	0 E ON OCT 06	165 000	1970
1971	37.4 AT 06:00 CST ON APR 15	36.8 ON APR 15	0.113B ON MAR 01	89 600	1971
1972	66.8 AT 01:47 CST ON MAR 23	66.3 ON MAR 23	0.071B ON MAR 01	130 000	1972
1973	2.71 B AT 03:08 CST ON MAR 10	2.11 B ON MAR 10	0 ON JUL 13	3 980	1973
1974	119 AT 09:58 CST ON APR 25	118 ON APR 25	0.015 ON SEP 04	276 000	1974
1975	188 AT 09:47 CST ON MAY 01	187 ON MAY 01	0.042B ON MAR 09	352 000	1975
1976	209 AT 19:24 CST ON APR 05	206 ON APR 05	0.059 ON SEP 27	551 000	1976
1977	1.22 AT 05:55 CST ON MAY 19	1.03 ON MAY 19	0.005 ON JUL 29	1 320	1977
1978	38.5 AT 01:02 CST ON APR 02	37.7 ON APR 02	0.009B ON MAR 08	108 000	1978
1979	257 AT 02:47 CST ON APR 26 *	250 ON APR 26 *	0.023 ON OCT 04	382 000	1979
1980	5.94 AT 01:23 CST ON APR 08	5.67 ON APR 08	0.001 ON JUL 11	9 060	1980
1981	2.75 B AT 02:20 CST ON FEB 23	0.805B ON MAR 01	0 ON APR 25	962	1981
1982	84.4 AT 19:56 CST ON APR 25	84.0 ON APR 25	0.008 ON AUG 24	166 000	1982
1983	47.2 AT 17:46 CST ON APR 18	47.0 ON APR 18	0.007 ON SEP 26	126 000	1983
1984	1.94 B AT 18:58 CST ON MAR 28	1.82 B ON MAR 28	0 ON JUN 19	2 000	1984
1985	8.62 AT 16:05 CST ON APR 06	8.33 ON APR 07	0 ON JUL 03	15 000	1985
1986	8.08 AT 09:36 CST ON MAY 17	7.95 ON MAY 17	0.003 ON SEP 01	21 400	1986
1987	9.01 B AT 02:55 CST ON MAR 27	7.71 B ON MAR 27	0 ON JUN 26	12 400	1987
1988	0.215 AT 04:33 CST ON JUL 06	0.052 ON MAY 02	0 B ON MAR 01	144	1988
1989	9.60 B AT 17:23 CST ON APR 02	9.03 B ON APR 02	0 B ON MAR 01	12 800	1989
1990	2.97 AT 06:05 CST ON JUL 02	2.26 ON JUL 03	0 B ON MAR 01	1 720	1990
				94 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR SHERWOOD - STATION NO. 05ND007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1930	---	---	---	13.0	2.56	0.898	0.385	0.077	0.001	0.042	0.027	0.003	---	1930
1931	0	0	0.028	0.341	0.247	0.030	0.002	0	0	0	0.002	0	0.054	1931
1932	0	0	0.072	1.43	0.456	0.455	0.276	0.035	0	0.006	0.014	0.014	0.229	1932
1933	0.008	0.056	6.99	6.35	2.15	9.64	0.566	0.153	0.021	0.043	0.042	0.011	2.47	1933
1934	0.006	0.142	5.53	2.53	0.423	0.102	0.038	0	0	0	0	0	0.736	1934
1935	0	0	0.072	1.38	1.26	0.406	0.908	0.077	0.007	0.004	0.005	0	0.344	1935
1936	0	0	0	17.0	4.98	0.639	0.047	0	0	0	0	0	1.87	1936
1937	0	0	0	0.415	0.103	0.016	0	0	0	0	0	0	0.044	1937
1938	0	0	11.5	3.66	1.12	0.228	0	0.009	0	0	0	0	1.40	1938
1939	0	0	15.3	15.9	1.00	0.275	0.335	0.053	0.001	0.002	0.008	0.003	2.75	1939
1940	0	0	0.001	0.432	0.348	0.086	0.004	0.013	0.001	0	0	0	0.073	1940
1941	0	0	0.027	12.2	2.83	1.23	0.331	0.111	0.038	0.036	0.111	0.084	1.41	1941
1942	0.006	0.002	2.99	19.3	4.04	1.54	0.910	0.579	0.279	0.183	0.172	0.078	2.50	1942
1943	0.079	0.036	1.43	78.2	9.53	4.87	2.45	0.733	0.475	0.173	0.197	0.172	8.13	1943
1944	0.109	0.103	0.103	1.85	0.915	4.50	10.3	1.83	0.970	0.404	0.318	0.119	1.80	1944
1945	0.046	0.041	0.480	0.863	0.440	0.489	0.848	0.286	0.062	0.107	0.112	0.023	0.318	1945
1946	0	0.001	15.7	8.12	0.983	0.661	0.401	0.170	0.049	0.087	0.055	0.032	2.20	1946
1947	0.021	0.013	1.55	45.4	10.3	6.18	4.04	0.840	0.674	0.375	0.271	0.300	5.80	1947
1948	0.226	0.170	0.147	38.8	67.2	4.76	2.62	1.37	0.354	0.270	0.434	0.208	9.75	1948
1949	0.069	0.068	0.134	23.3	2.18	1.52	0.518	0.325	0.105	0.180	0.281	0.120	2.38	1949
1950	0.085	0.077	1.57	25.2	9.05	3.80	1.73	1.11	0.374	0.256	0.249	0.156	3.63	1950
1951	0.173	0.149	0.183	33.9	41.1	4.33	1.10	0.596	0.405	0.596	0.525	0.241	6.97	1951
1952	0.076	0.099	1.06	20.2	2.77	0.760	0.686	0.182	0.180	0.149	0.181	0.106	2.18	1952
1953	0.084	0.080	2.42	9.67	4.08	27.0	29.7	5.06	1.04	0.366	0.506	0.374	6.73	1953
1954	0.243	0.736	3.04	4.25	3.57	11.3	4.47	0.881	1.20	1.62	1.85	0.756	2.82	1954
1955	0.245	0.193	0.182	60.4	34.2	11.3	4.44	1.42	0.718	0.926	0.594	0.219	9.55	1955
1956	0.089	0.071	3.93	49.2	16.1	4.47	6.75	1.84	0.459	0.584	0.592	0.236	6.99	1956
1957	0.113	0.030	3.27	8.48	3.14	1.25	0.431	0.558	0.323	0.140	0.300	0.127	1.51	1957
1958	0.052	0.049	3.51	11.6	1.25	0.310	0.112	0.030	0.021	0.042	0.048	0.004	1.41	1958
1959	0	0	4.65	1.17	0.312	0.339	0.118	0.025	0.031	0.803	0.401	0.126	0.671	1959
1960	0.084	0.040	2.90	33.6	4.18	0.981	0.358	0.257	0.044	0.039	0.054	0.047	3.52	1960
1961	0.019	0.011	0.963	0.496	0.219	0.144	0.002	0	0	0	0	0	0.156	1961
1962	0	0	0.689	1.03	0.731	1.85	0.308	0.044	0.002	0.013	0.024	0.016	0.392	1962
1963	0	0	1.82	1.00	0.682	2.18	0.973	1.01	0.981	0.097	0.157	0.132	0.755	1963
1964	0.096	0.088	0.178	12.4	2.87	1.03	0.889	0.140	0.037	0.062	0.098	0.139	1.49	1964
1965	0.056	0.031	0.059	6.76	12.0	14.6	2.81	0.844	0.297	0.175	0.244	0.123	3.17	1965
1966	0.064	0.054	12.1	10.9	2.11	0.677	0.227	0.066	0.021	0.014	0.035	0.014	2.22	1966
1967	0.004	0.001	0.431	7.55	2.57	0.770	0.089	0.005	0	0	0.389	0.065	1.41	1967
1968	0.021	0.013	4.05	0.974	0.305	0.113	0.030	0.009	0.071	0.013	0.028	0.007	0.474	1968
1969	0	0	2.60	108	20.9	2.65	4.95	1.17	0.480	0.767	0.438	0.189	11.8	1969
1970	0.135	0.184	1.07	13.9	53.6	10.5	4.40	1.34	0.706	0.780	0.700	0.252	7.37	1970
1971	0.211	0.219	1.31	22.5	9.06	1.66	6.62	0.900	1.75	2.25	1.07	0.286	3.99	1971
1972	0.151	0.086	32.5	20.7	4.78	9.44	2.32	1.66	1.80	0.323	0.881	0.207	6.25	1972
1973	0.181	0.085	1.68	0.803	0.662	0.744	0.143	0.044	0.035	0.082	0.257	0.090	0.403	1973
1974	0.026	0.028	0.329	75.6	54.2	8.89	3.94	0.691	0.283	0.230	0.240	0.167	12.0	1974
1975	0.162	0.145	0.164	33.8	113	19.5	3.70	1.12	4.13	2.29	1.41	1.35	15.2	1975
1976	1.26	1.24	16.0	191	41.7	25.7	14.3	2.95	1.54	0.531	0.543	0.303	24.5	1976
1977	0.226	0.181	0.410	1.14	1.02	0.565	0.143	0.040	0.027	0.049	0.178	0.115	0.341	1977
1978	0.066	0.027	3.32	15.3	3.40	2.70	15.6	2.43	1.94	2.01	0.459	0.296	4.01	1978
1979	0.143	0.105	4.10	60.0	97.3	9.94	2.44	0.815	0.337	0.176	0.294	0.268	14.7	1979
1980	0.141	0.157	0.445	7.07	1.19	0.124	0.071	0.025	0.018	0.034	0.071	0.078	0.777	1980
1981	0.070	4.05	1.25	0.315	0.146	0.039	0.013	0.019	0.014	0.007	0.017	0.021	0.473	1981
1982	0.012	0.006	0.083	47.3	28.8	2.69	1.00	0.454	0.102	0.241	0.265	0.157	6.75	1982
1983	0.139	0.417	4.52	37.3	20.7	2.74	1.47	0.300	0.048	0.048	0.160	0.110	5.66	1983
1984	0.100	0.262	2.28	1.25	0.429	0.080	0.024	0.006	0.008	0.025	0.018	0.015	0.376	1984
1985	0.004	0	9.22	5.38	1.97	0.315	0.086	0.056	0.092	0.294	0.167	0.073	1.48	1985
1986	0.064	0.237	5.42	2.00	3.39	1.26	1.51	2.14	0.135	0.171	0.321	0.097	1.41	1986
1987	0.075	0.111	7.12	8.90	1.19	0.282	0.081	0.020	0.004	0.021	0.019	0.001	1.49	1987
1988	0	0.005	0.034	0.051	0.074	0.005	0.001	0	0	0	0	0	0.014	1988
1989	0	0	0.179	6.89	0.314	0.039	0.005	0	0	1.00	0.098	0.025	0.707	1989
1990	0	0	0.749	1.19	0.204	0.030	0.529	0.041	0	0	0	0	0.230	1990
MEAN	0.087	0.165	3.40	20.5	11.8	3.70	2.35	0.606	0.372	0.314	0.261	0.134	3.67	MEAN

LOCATION - LAT 48 59 24 N LONG 101 57 28 W DRAINAGE AREA, 22 400 km² REGULATED INTERNATIONAL GAUGING STATION

SOURIS RIVER NEAR SHERWOOD - STATION NO. 05ND007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1930	---	23.1 ON APR 08	0 ON SEP 04 *	---	1930
1931	---	0.510 ON APR 14	0 E ON JAN 01	1 710	1931
1932	---	2.55 B ON APR 10	0 E ON JAN 01	7 230	1932
1933	---	38.2 B ON MAR 31	0.008E ON JAN 01	68 300	1933
1934	---	9.74 B ON MAR 16	0 ON AUG 01	23 200	1934
1935	---	4.67 ON APR 24	0 ON JAN 01	10 900	1935
1936	---	36.0 ON APR 25	0 ON JAN 01	59 300	1936
1937	---	3.34 ON APR 14	0 ON JAN 01	1 390	1937
1938	---	29.2 ON MAR 27	0 ON JAN 01	44 200	1938
1939	---	69.7 ON MAR 28	0 ON JAN 01	86 700	1939
1940	---	2.12 B ON APR 15	0 ON JAN 01	2 320	1940
1941	---	28.9 ON APR 14	0 ON JAN 01	44 500	1941
1942	---	48.1 B ON APR 05	0 ON FEB 20	78 800	1942
1943	---	151 ON APR 12	0.017B ON MAR 01	256 000	1943
1944	---	35.1 ON JUL 04	0.045 ON DEC 29	56 900	1944
1945	---	1.70 ON MAR 29	0 B ON DEC 24	10 000	1945
1946	---	56.1 ON MAR 30	0 B ON JAN 01	69 500	1946
1947	---	63.7 ON APR 18	0.003 ON FEB 24	183 000	1947
1948	210 AT 23:00 CST ON APR 28	209 ON APR 29	0.085B ON DEC 28	308 000	1948
1949	---	76.5 ON APR 11	0.028B ON JAN 22	74 900	1949
1950	---	45.3 ON APR 18	0.057B ON FEB 21	114 000	1950
1951	---	75.9 ON MAY 10	0.085B ON DEC 23	220 000	1951
1952	---	32.8 B ON APR 03	0.065B ON JAN 10	69 100	1952
1953	---	50.4 ON JUL 09	0.068B ON JAN 15	212 000	1953
1954	---	22.4 ON JUN 12	0.212B ON JAN 31	89 100	1954
1955	---	142 ON APR 06	0.119B ON MAR 25	301 000	1955
1956	---	99.7 ON APR 16	0.057B ON JAN 18	221 000	1956
1957	39.1 B AT 09:00 CST ON APR 02	19.8 B ON MAR 25	0.023B ON FEB 08	47 700	1957
1958	---	38.8 B ON APR 01	0 B ON DEC 07	44 600	1958
1959	---	20.4 B ON MAR 22	0 B ON JAN 01	21 200	1959
1960	75.6 AT 06:30 CST ON APR 08	74.5 ON APR 08	0.006 ON MAR 08	111 000	1960
1961	4.53 B ON MAR 20	4.08 B ON MAR 20	0 ON JUL 15	4 910	1961
1962	25.2 AT 06:00 CST ON JUN 15	16.3 ON JUN 15	0 ON JAN 01	12 400	1962
1963	13.3 B AT 16:00 CST ON MAR 25	12.7 B ON MAR 25	0 B ON JAN 01	23 800	1963
1964	---	23.8 B ON APR 05	0.014 ON SEP 20	47 200	1964
1965	29.2 AT 09:00 CST ON JUN 09	29.2 ON JUN 09	0.023B ON FEB 27	100 000	1965
1966	39.9 AT 06:00 CST ON APR 02	38.2 ON APR 02	0.003 ON SEP 26	70 000	1966
1967	17.4 AT 02:00 CST ON MAY 15	17.1 ON MAY 14	0 ON AUG 25	44 400	1967
1968	11.3 B AT 08:30 CST ON MAR 09	11.0 B ON MAR 09	0 ON JUL 31	15 000	1968
1969	351 B AT 23:00 CST ON APR 11 *	311 B ON APR 12	0 ON JAN 01	371 000	1969
1970	77.9 AT 12:00 CST ON MAY 17	77.6 ON MAY 17	0.093B ON JAN 01	232 000	1970
1971	---	41.9 ON APR 18	0.153 ON JAN 07	126 000	1971
1972	---	90.9 ON MAR 27	0.082 ON FEB 08	198 000	1972
1973	---	3.54 B ON MAR 18	0.015 ON SEP 17	12 700	1973
1974	181 ON APR 19	178 ON APR 20	0.011B ON JAN 10	380 000	1974
1975	193 AT 15:30 CST ON MAY 05	191 ON MAY 05 *	0.142B ON FEB 06	479 000	1975
1976	---	388 ON APR 10	0.227B ON DEC 31	776 000	1976
1977	2.15 AT 11:00 CST ON APR 17	2.12 ON APR 17	0.011 ON SEP 21	10 800	1977
1978	44.5 AT 19:00 CST ON APR 05	43.9 ON APR 05	0.023B ON FEB 10	126 000	1978
1979	242 AT 09:00 CST ON APR 30	239 ON APR 30	0.096B ON MAR 03	465 000	1979
1980	17.8 B AT 24:00 CST ON APR 04	16.9 B ON APR 05	0.011 ON SEP 01	24 600	1980
1981	18.7 B AT 04:30 CST ON FEB 21	16.6 B ON FEB 21	0.005 ON AUG 04	14 900	1981
1982	111 AT 08:00 CST ON APR 18	109 ON APR 18	0.003B ON FEB 01	213 000	1982
1983	56.1 AT 16:00 CST ON APR 22	55.5 ON APR 22	0.028 ON SEP 28	179 000	1983
1984	9.06 B AT 01:00 CST ON MAR 26	8.78 B ON MAR 26	0.001E ON AUG 25	11 900	1984
1985	32.3 B AT 00:30 CST ON MAR 21	30.3 B ON MAR 21	0 B ON JAN 20	46 800	1985
1986	14.7 B AT 17:00 CST ON MAR 05	14.2 B ON MAR 05	0.027B ON FEB 24	44 500	1986
1987	36.8 B AT 16:00 CST ON APR 04	35.4 B ON APR 04	0 B ON DEC 13	46 900	1987
1988	0.153 AT 02:45 CST ON MAY 21	0.139 ON MAY 23	0 B ON JAN 01	448	1988
1989	35.4 B AT 05:30 CST ON APR 03	34.0 B ON APR 03	0 B ON JAN 01	22 300	1989
1990	7.16 B AT 17:20 CST ON APR 03	6.80 B ON APR 03	0 B ON JAN 01	7 240	1990
				116 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT SASKATCHEWAN LANDING - STATION NO. 05HC001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	---	107	441	283	287	149	98.5	---	---	---	1944
1945	---	---	118	141	260	830	526	165	152	161	---	---	294	1945
1946	---	---	---	266	303	932	480	158	218	164	---	---	---	1946
1947	---	---	381	577	742	700	437	189	234	322	---	---	458	1947
1959	---	---	159	250	386	710	567	239	175	186	---	---	334	1959
1960	---	---	181	452	411	479	379	193	71.4	60.8	---	---	278	1960
1961	---	---	131	173	288	722	271	172	97.4	139	---	---	235	1961
1962	---	---	135	481	308	745	291	164	152	85.5	---	---	256	1962
1963	---	---	---	193	174	504	701	277	187	140	---	---	---	1963
1964	---	---	97.5	195	583	989	---	---	---	---	---	---	---	1964
MEAN	---	---	172	303	357	675	426	205	160	151	---	---	309	MEAN

LOCATION - LAT 50 39 10 N
LONG 107 58 20 W
DRAINAGE AREA, 126 000 km²
REGULATED

SOUTH SASKATCHEWAN RIVER AT SASKATCHEWAN LANDING - STATION NO. 05HC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	---	---	1944
1945	---	1 120 ON JUN 11	62.3B ON MAR 05	6 230 000	1945
1946	---	---	---	---	1946
1947	---	1 860B ON MAR 25 *	91.7B ON MAR 14	9 690 000	1947
1959	---	1 100 ON JUL 03	89.5B ON MAR 06	7 080 000	1959
1960	---	949 ON MAR 31	47.9 ON OCT 15 *	5 880 000	1960
1961	---	1 040 ON JUN 01	58.3 ON SEP 29	4 980 000	1961
1962	---	858 ON APR 14	73.6E ON OCT 15	5 430 000	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
				6 550 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT SASKATOON - STATION NO. 05HG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	919	784	666	577	180	86.3	112	---	1911
1912	47.8	65.1	65.2	401	417	658	952	671	464	263	210	93.4	360	1912
1913	35.3	56.1	68.9	449	338	919	687	421	259	224	166	106	311	1913
1914	76.5	60.3	86.1	179	393	747	643	277	225	292	231	90.7	276	1914
1915	95.7	66.4	94.0	382	561	1 020	1 710	954	463	360	173	109	503	1915
1916	72.1	69.4	434	563	382	1 460	1 610	756	842	399	229	140	580	1916
1917	101	88.1	77.7	473	716	1 630	856	338	253	158	129	96.8	407	1917
1918	74.6	93.9	123	375	366	654	421	247	174	146	120	96.8	238	1918
1919	53.3	70.4	54.5	216	267	548	292	273	174	90.8	47.8	45.7	178	1919
1920	58.4	54.5	71.0	442	1 010	719	891	383	164	131	80.9	59.0	340	1920
1921	40.8	46.1	83.1	335	365	737	426	230	127	85.4	79.1	51.0	217	1921
1922	45.4	41.3	56.1	331	435	743	389	221	164	102	69.8	41.6	220	1922
1923	45.8	34.6	40.9	187	240	1 600	905	385	264	159	93.9	75.9	337	1923
1924	44.8	59.3	69.4	228	328	585	527	381	216	142	83.8	69.9	228	1924
1925	61.0	64.9	97.6	696	453	746	497	260	250	244	165	108	304	1925
1926	72.2	76.6	250	296	262	182	425	173	564	487	257	116	264	1926
1927	88.6	75.2	142	711	638	1 450	1 010	556	588	482	206	146	509	1927
1928	259	123	284	508	548	1 150	1 300	404	238	191	143	73.4	436	1928
1929	62.5	50.1	141	211	345	1 210	341	151	108	64.3	60.1	36.0	231	1929
1930	45.4	63.9	175	296	376	628	454	217	142	101	101	81.9	224	1930
1931	53.1	69.5	77.0	132	126	293	324	150	128	95.6	53.1	39.1	129	1931
1932	34.5	38.2	90.4	236	449	1 210	497	185	206	125	91.9	73.5	269	1932
1933	58.2	47.0	63.4	348	493	764	523	182	171	106	164	80.6	250	1933
1934	76.5	117	139	283	564	693	291	116	94.0	108	101	60.3	220	1934
1935	32.2	71.3	97.3	293	265	568	483	289	112	74.6	55.8	56.7	200	1935
1936	32.6	32.0	102	415	424	514	352	89.1	81.5	52.1	33.4	28.3	163	1936
1937	28.7	31.3	43.7	189	135	504	534	167	93.4	94.7	93.5	64.9	148	1937
1938	46.3	43.3	54.9	352	347	947	633	215	140	112	70.6	52.5	252	1938
1939	42.0	44.5	62.0	311	212	533	637	146	100	88.8	67.4	54.2	192	1939
1940	43.5	43.0	52.3	452	474	407	201	157	139	175	76.6	77.5	191	1940
1941	61.2	56.0	67.5	375	135	239	165	107	142	145	103	67.4	113	1941
1942	46.2	43.0	56.6	175	382	1 010	838	417	285	240	96.0	73.9	306	1942
1943	66.3	70.6	82.5	738	362	611	610	261	122	73.0	79.5	59.9	262	1943
1944	55.1	63.1	71.5	202	93.3	349	287	237	158	97.5	71.8	62.2	146	1944
1945	50.6	67.6	93.6	169	214	792	583	160	122	152	53.4	99.8	214	1945
1946	88.1	80.9	159	266	260	748	499	155	203	155	101	99.9	235	1946
1947	85.6	76.9	326	664	700	774	449	179	214	201	202	124	340	1947
1948	102	78.4	94.4	722	1 530	1 690	653	392	179	110	87.8	50.1	474	1948
1949	57.5	59.3	67.9	260	232	436	182	138	72.3	53.8	71.7	43.2	139	1949
1950	48.2	56.1	77.1	331	321	689	693	258	139	83.4	106	95.2	242	1950
1951	95.2	79.8	86.4	620	860	952	1 140	474	760	494	303	185	506	1951
1952	150	143	110	1 260	550	654	699	410	250	175	139	80.5	384	1952
1953	62.6	84.8	109	266	593	1 920	850	373	257	162	127	70.0	406	1953
1954	72.0	91.9	120	337	635	1 020	752	395	801	412	303	137	423	1954
1955	96.5	105	79.2	623	604	793	733	248	123	147	95.7	89.7	312	1955
1956	88.0	97.3	100	623	412	746	517	297	199	149	136	61.6	285	1956
1957	64.2	62.8	137	351	584	538	233	111	116	109	129	79.3	210	1957
1958	95.6	78.2	96.1	451	435	594	482	242	133	113	102	68.5	239	1958
1959	73.6	90.7	138	321	312	729	592	238	164	191	136	168	263	1959
1960	103	115	126	625	384	464	365	193	86.0	60.6	52.8	55.3	219	1960
1961	74.1	62.9	110	202	200	743	190	150	103	108	135	71.0	179	1961
1962	99.2	114	100	432	261	408	274	157	136	93.6	101	55.4	186	1962
1963	41.6	50.4	159	240	155	384	769	274	165	123	93.8	55.9	210	1963
1964	79.2	77.2	46.4	215	520	902	567	146	91.0	108	113	61.0	244	1964
1965	60.8	41.4	78.5	216	475	815	1 080	420	286	352	159	145	346	1965
1966	75.2	104	228	626	413	794	562	65.2	36.3	37.3	31.6	36.3	242	1966
1967	266	241	175	236	326	361	422	170	110	44.6	60.7	319	228	1967
1968	366	138	152	49.3	36.2	39.0	42.0	55.9	49.1	172	224	242	131	1968
1969	371	388	357	307	312	306	758	231	184	203	270	342	336	1969
1970	371	326	197	134	130	191	193	184	148	224	222	325	220	1970
1971	348	377	315	259	237	349	140	81.3	84.5	130	245	326	240	1971
1972	321	308	358	309	201	306	453	325	241	215	257	346	304	1972
1973	378	374	228	108	90.8	143	134	115	174	182	221	128	205	1973
1974	327	294	351	346	329	482	294	218	194	151	209	271	289	1974
1975	318	316	229	156	205	568	396	149	116	212	271	303	269	1975
1976	357	319	263	180	81.1	80.2	77.5	215	216	230	212	327	213	1976
1977	354	264	126	74.4	50.2	52.2	49.5	49.2	47.4	52.7	160	216	124	1977
1978	219	175	183	141	55.8	243	166	133	237	230	227	238	187	1978
1979	358	384	304	139	160	196	73.2	77.4	51.2	124	162	193	184	1979
1980	241	344	186	111	68.1	152	141	59.5	97.9	169	256	267	174	1980
1981	318	293	180	177	127	492	384	491	272	227	244	232	206	1981
1982	354	318	250	191	99.2	57.6	62.4	104	120	163	206	276	183	1982
1983	333	322	217	137	128	68.1	71.3	83.3	113	145	136	232	165	1983
1984	201	112	95.4	80.2	51.6	54.9	50.5	51.5	53.4	47.9	113	104	84.5	1984
1985	103	113	56.8	76.0	117	69.6	48.2	49.8	47.5	51.8	145	222	91.5	1985
1986	248	250	187	71.4	76.2	217	169	191	149	117	271	274	202	1986
1987	---	---	290	178	98.4	50.9	55.7	55.3	82.4	161	192	172	---	1987
1988	---	---	59.2	69.1	51.6	42.1	47.9	52.5	46.1	47.7	80.8	145	---	1988
1989	---	---	---	62.6	61.0	58.2	55.0	58.3	57.3	84.2	154	246	---	1989
1990	---	---	---	167	196	521	447	214	143	243	278	254	---	1990
MEAN	133	127	141	319	340	620	483	245	199	167	144	133	259	MEAN

LOCATION - LAT 52 08 25 N LONG 106 38 36 W

DRAINAGE AREA, 141 000 km²

REGULATED

SOUTH SASKATCHEWAN RIVER AT SASKATOON - STATION NO. 05HG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	1 450 AT 01:00 CST ON JUL 17	1 420 ON JUL 17	38.2B ON JAN 05	11 400 000	1912
1913	---	1 210 ON JUL 06	32.0B ON JAN 10	9 820 000	1913
1914	---	994 ON JUN 26	44.5B ON DEC 24	8 700 000	1914
1915	3 230 ON JUL 03	3 140 ON JUL 02	60.9B ON FEB 07	15 900 000	1915
1916	---	2 630 ON JUL 04	53.8B ON JAN 29	18 400 000	1916
1917	2 040 ON JUN 09	1 970 ON JUN 09	38.2B ON DEC 23	12 800 000	1917
1918	---	1 180 ON JUN 22	42.2B ON JAN 01	7 490 000	1918
1919	---	980 ON JUN 05	32.0B ON DEC 17	5 610 000	1919
1920	---	1 760 ON MAY 14	21.7B ON DEC 28	10 700 000	1920
1921	---	1 420B ON APR 15	24.6B ON JAN 01	6 840 000	1921
1922	1 080 AT 18:00 CST ON JUN 13	1 070 ON JUN 13	30.3B ON DEC 23	6 950 000	1922
1923	3 650 AT 03:00 CST ON JUN 07	3 370 ON JUN 07	30.6B ON FEB 20	10 600 000	1923
1924	---	900 ON JUN 24	39.9B ON JAN 10	7 210 000	1924
1925	---	1 360B ON APR 05	42.2B ON JAN 02	9 580 000	1925
1926	---	1 150 ON SEP 19	65.1B ON JAN 09	8 330 000	1926
1927	---	2 330 ON JUN 17	62.3B ON JAN 23	16 100 000	1927
1928	---	2 490 ON JUL 07	65.1B ON DEC 08	13 800 000	1928
1929	3 260 AT 14:30 CST ON JUN 09	3 060 ON JUN 09	16.8B ON DEC 21	7 290 000	1929
1930	---	855 ON JUN 19	22.1B ON JAN 25	7 060 000	1930
1931	---	583 ON JUN 29	30.0B ON JAN 25	4 050 000	1931
1932	3 200 ON JUN 08	3 140 ON JUN 08	25.2B ON FEB 03	8 520 000	1932
1933	1 090 ON JUN 25	1 080 ON JUN 25	39.1B ON FEB 22	7 900 000	1933
1934	---	1 140 ON JUN 15	39.1B ON DEC 29	6 950 000	1934
1935	---	793 ON JUN 28	26.5B ON JAN 02	6 310 000	1935
1936	---	861B ON APR 18	14.2B ON DEC 12 *	5 140 000	1936
1937	---	1 110 ON JUN 21	17.5B ON FEB 16	4 660 000	1937
1938	---	1 360 ON JUN 03	27.9B ON MAR 03	7 930 000	1938
1939	---	1 420 ON JUN 24	28.6B ON FEB 17	6 050 000	1939
1940	1 640 AT 19:00 CST ON APR 22	1 570 ON APR 22	32.3 ON NOV 09	6 050 000	1940
1941	---	926B ON APR 07	39.1B ON NOV 24	4 200 000	1941
1942	1 840 AT 20:00 CST ON JUN 12	1 820 ON JUN 13	27.2B ON FEB 26	9 650 000	1942
1943	---	1 280 ON APR 09	46.4 ON DEC 07	8 250 000	1943
1944	---	631 ON JUN 25	35.1 ON DEC 01	4 600 000	1944
1945	---	1 170 ON JUN 14	27.0B ON NOV 20	6 730 000	1945
1946	1 080 AT 20:45 CST ON JUN 15	1 050 ON JUN 16	45.9B ON NOV 18	7 400 000	1946
1947	---	1 850B ON MAR 28	36.8B ON FEB 17	10 700 000	1947
1948	---	2 700B ON APR 24	47.6B ON DEC 24	15 000 000	1948
1949	---	541 ON JUN 11	16.8 ON DEC 16	4 400 000	1949
1950	---	1 270 ON APR 18	32.8B ON JAN 07	7 630 000	1950
1951	1 610 AT 19:00 CST ON JUL 01	1 540 ON JUL 01	63.4B ON JAN 20	15 900 000	1951
1952	---	2 420 ON APR 10	52.7B ON NOV 27	12 200 000	1952
1953	4 190 AT 02:00 CST ON JUN 15 *	3 940 ON JUN 15 *	44.5B ON JAN 29	12 800 000	1953
1954	---	1 530 ON SEP 02	50.4B ON JAN 20	13 400 000	1954
1955	---	2 180B ON APR 10	35.1B ON DEC 01	9 840 000	1955
1956	---	1 190B ON APR 15	25.5B ON DEC 22	9 010 000	1956
1957	---	855 ON MAY 30	22.7B ON JAN 28	6 620 000	1957
1958	---	852B ON APR 17	25.5B ON DEC 25	7 530 000	1958
1959	1 330 AT 20:00 CST ON JUL 05	1 250 ON JUL 05	45.6B ON JAN 22	8 310 000	1959
1960	---	1 120 ON APR 03	22.4 ON NOV 09	5 920 000	1960
1961	1 080 AT 13:00 CST ON JUN 04	1 070 ON JUN 04	30.0B ON FEB 16	5 640 000	1961
1962	861 AT 03:00 CST ON APR 16	816A ON APR 16	26.0 ON NOV 19	5 850 000	1962
1963	1 560A AT 08:00 CST ON JUL 08	1 540A ON JUL 08	25.8B ON JAN 30	6 630 000	1963
1964	1 430 AT 12:00 CST ON JUN 18	1 420 ON JUN 18	27.4B ON MAR 07	7 710 000	1964
1965	---	1 630E ON JUN 27	32.6B ON FEB 04	10 900 000	1965
1966	1 380 AT 18:30 CST ON JUN 13	1 260 ON JUN 13	23.4 ON NOV 06	7 640 000	1966
1967	---	583 ON APR 30	32.6 ON JAN 08	7 190 000	1967
1968	603 AT 06:00 CST ON JAN 10	595 ON JAN 09	28.1 ON MAY 03	4 140 000	1968
1969	1 790 AT 15:45 CST ON JUL 06	1 780 ON JUL 06	150 ON JUN 30	10 600 000	1969
1970	439B AT 11:52 CST ON NOV 30	395B ON NOV 30	57.8 ON JUN 16	6 940 000	1970
1971	---	430 ON JUN 08	58.6 ON APR 27	7 570 000	1971
1972	801E AT 11:06 CST ON JUL 05	776E ON JUL 05	140 ON DEC 04	9 600 000	1972
1973	493 AT 07:08 CST ON DEC 13	439 ON DEC 13	42.5E ON MAR 23	6 480 000	1973
1974	847 AT 23:25 CST ON JUN 25	838 ON JUN 25	119 ON OCT 29	9 110 000	1974
1975	1 970 AT 17:50 CST ON JUN 26	1 900 ON JUN 26	92.3 ON SEP 26	8 500 000	1975
1976	425 AT 12:04 CST ON AUG 14	419 ON AUG 14	47.6 ON MAY 25	6 740 000	1976
1977	---	396B ON FEB 01	41.1 ON MAY 15	3 910 000	1977
1978	405 AT 10:51 CST ON SEP 21	405 ON SEP 21	40.2 ON MAY 15	5 900 000	1978
1979	446B AT 23:58 CST ON JAN 19	434B ON JAN 20	47.0 ON SEP 17	5 800 000	1979
1980	---	372B ON FEB 21	49.5 ON MAY 21	5 490 000	1980
1981	666 AT 20:25 CST ON AUG 09	665 ON AUG 10	48.2 ON MAY 22	9 030 000	1981
1982	---	421B ON JAN 19	50.5 ON JUN 20	5 760 000	1982
1983	---	378B ON JAN 29	57.3A ON AUG 08	5 200 000	1983
1984	---	250B ON JAN 15	30.7 ON OCT 30	2 670 000	1984
1985	---	325B ON DEC 04	26.3 ON NOV 09	2 890 000	1985
1986	402 AT 22:31 CST ON OCT 20	400 ON OCT 21	44.6 ON APR 14	6 360 000	1986
1987	---	---	45.8 ON JUN 09	---	1987
1988	---	---	34.7 ON NOV 15	---	1988
1989	---	---	48.0E ON JUL 03	---	1989
1990	784 AT 04:06 CST ON JUL 04	769 ON JUL 03	---	---	1990
				8 180 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT ST. LOUIS - STATION NO. 05HB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	483	242	128	110	115	76.6	---	1958
1959	82.0	99.5	134	305	288	686	595	233	159	191	96.6	136	251	1959
1960	89.6	97.8	113	555	350	453	370	193	87.1	57.1	69.2	55.2	207	1960
1961	66.2	58.6	82.2	151	173	716	199	149	106	109	148	62.4	168	1961
1962	79.6	91.4	89.8	367	248	364	263	146	126	75.0	116	51.1	168	1962
1963	40.1	43.2	143	235	146	358	669	271	165	121	96.7	64.5	197	1963
1964	77.4	79.2	54.7	241	449	822	563	149	90.0	104	132	58.3	235	1964
1965	55.5	40.1	64.9	203	463	760	1 070	429	279	346	210	143	340	1965
1966	71.8	80.2	270	518	391	780	573	81.9	30.4	31.4	27.8	31.1	237	1966
1967	229	228	146	229	338	354	418	167	119	51.5	49.6	285	220	1967
1968	356	121	153	70.6	34.8	37.8	39.9	60.6	47.9	168	218	225	128	1968
1969	362	387	353	316	315	312	788	230	192	211	258	292	335	1969
1970	335	276	173	127	131	198	195	200	146	219	221	127	212	1970
1971	335	370	291	280	235	357	144	80.1	81.4	132	218	319	236	1971
1972	335	299	329	321	195	312	445	334	251	216	260	335	303	1972
1973	341	313	220	131	87.9	151	140	115	165	150	184	218	186	1973
1974	248	264	287	368	347	462	293	212	184	138	195	261	271	1974
1975	321	310	254	233	205	549	396	144	115	205	245	279	271	1975
1976	356	331	257	184	92.2	81.8	76.5	221	45.3	236	289	125	223	1976
1977	325	269	134	101	65.0	54.5	51.7	50.8	51.0	59.7	148	200	125	1977
1978	170	152	180	163	51.8	264	184	148	241	234	230	221	187	1978
1979	305	313	268	163	156	199	74.9	81.7	55.6	122	143	177	171	1979
1980	226	353	215	131	70.1	138	142	51.8	89.7	158	257	281	175	1980
1981	296	289	176	179	116	469	339	445	268	221	234	200	269	1981
1982	351	322	248	191	104	65.2	60.9	94.1	114	157	213	276	182	1982
1983	329	290	205	140	122	67.8	72.4	83.9	113	152	129	217	159	1983
1984	179	101	88.2	77.3	56.1	54.1	48.8	51.8	55.8	51.8	105	88.8	79.8	1984
1985	108	116	61.5	74.7	109	77.1	49.1	51.8	55.5	55.2	113	241	92.6	1985
1986	239	241	187	73.8	82.0	196	144	183	149	302	275	247	193	1986
1987	238	307	268	175	96.9	51.7	62.4	60.8	78.4	155	187	195	155	1987
1988	227	153	60.9	72.2	55.3	42.8	52.4	54.5	48.1	52.3	82.5	117	86.4	1988
1989	174	158	76.0	62.7	60.4	51.6	54.1	55.9	52.6	70.9	133	219	97.1	1989
1990	248	283	271	167	187	481	440	198	133	228	294	247	265	1990
MEAN	225	214	182	206	182	311	288	160	127	148	172	197	201	MEAN

LOCATION - LAT 52 55 25 N LONG 105 48 20 W

DRAINAGE AREA, 148 000 km²

REGULATED

SOUTH SASKATCHEWAN RIVER AT ST. LOUIS - STATION NO. 05HB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1959	---	1 170 ON JUL 06	36.2B ON NOV 08	7 920 000	1959
1960	---	1 030 ON APR 04	37.4B ON DEC 14	6 550 000	1960
1961	1 020 AT 08:00 CST ON JUN 05	1 000 ON JUN 05	32.8B ON DEC 13	5 300 000	1961
1962	---	714B ON APR 17	27.6B ON DEC 10	5 300 000	1962
1963	1 350 AT 19:00 CST ON JUL 08	1 290 ON JUL 09	15.3B ON FEB 02 *	6 220 000	1963
1964	1 260 AT 24:00 CST ON JUN 20	1 260 ON JUN 20	32.3B ON MAR 11	7 430 000	1964
1965	---	1 450 ON JUN 28	28.3B ON JAN 19	10 700 000	1965
1966	1 230 AT 04:00 CST ON JUN 14	1 210 ON JUN 14	19.0B ON NOV 05	7 460 000	1966
1967	---	600 ON JUL 24	28.0B ON JAN 10	6 950 000	1967
1968	---	544B ON JAN 05	23.0A ON MAY 02	4 050 000	1968
1969	---	1 730 ON JUL 07	140 ON JUN 25	10 600 000	1969
1970	---	422B ON JAN 04	50.4B ON APR 30	6 700 000	1970
1971	439 AT 10:12 CST ON JUN 10	436 ON JUN 10	60.3 ON SEP 06	7 430 000	1971
1972	833 AT 01:09 CST ON JUL 06	770 ON JUL 06	123 ON MAY 03	9 580 000	1972
1973	---	365B ON JAN 15	58.3B ON MAR 27	5 850 000	1973
1974	---	810A ON JUN 28	102 ON OCT 30	8 550 000	1974
1975	1 930 AT 10:46 CST ON JUN 27 *	1 880 ON JUN 27 *	92.9 ON SEP 17	8 540 000	1975
1976	---	462B ON DEC 16	50.7 ON MAY 30	7 050 000	1976
1977	405B AT 21:03 CST ON FEB 02	402B ON FEB 02	45.1 ON AUG 25	3 930 000	1977
1978	436 AT 17:20 CST ON JUN 21	436 ON JUN 18	38.8 ON MAY 17	5 890 000	1978
1979	383B AT 02:27 CST ON JAN 21	378B ON JAN 21	49.6 ON SEP 19	5 380 000	1979
1980	---	388B ON FEB 19	41.5 ON AUG 23	5 540 000	1980
1981	636 AT 22:57 CST ON AUG 04	632 ON AUG 05	49.7B ON MAR 24	8 480 000	1981
1982	431B AT 04:48 CST ON JAN 20	429B ON JAN 20	51.4 ON JUL 01	5 750 000	1982
1983	391B AT 11:20 CST ON JAN 07	387B ON JAN 07	56.3 ON JUN 08	5 010 000	1983
1984	230B AT 20:03 CST ON JAN 16	222B ON JAN 01	36.9B ON NOV 02	2 520 000	1984
1985	321B AT 08:37 CST ON DEC 06	319B ON DEC 05	41.2 ON JUL 11	2 920 000	1985
1986	405 AT 04:14 CST ON OCT 22	403 ON OCT 22	56.0B ON APR 15	6 090 000	1986
1987	362B AT 17:02 CST ON MAR 07	358B ON MAR 07	47.0 ON JUN 11	4 900 000	1987
1988	293B AT 22:37 CST ON JAN 09	286B ON JAN 09	38.5 ON JUN 22	2 730 000	1988
1989	291B AT 12:02 CST ON DEC 26	287B ON DEC 26	45.9 ON JUN 17	3 060 000	1989
1990	758 AT 21:00 CST ON JUL 03	744 ON JUL 04	101 B ON APR 09	8 340 000	1990
MEAN				6 340 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER BELOW GARDINER DAM - STATION NO. 05HF004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	520	44.7	---	---	---	---	---	1966
1968	---	---	---	---	37.1	35.1	41.8	48.5	45.3	195	231	275	---	1968
1969	350	368	334	294	328	305	804	237	199	203	255	333	335	1969
MEAN	350	368	334	294	183	170	455	110	122	199	243	304	335	MEAN

LOCATION - LAT 51 19 20 N LONG 106 57 19 W DRAINAGE AREA, 136 000 km² REGULATED SINCE 1964

SOUTH SASKATCHEWAN RIVER BELOW GARDINER DAM - STATION NO. 05HF004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1968	---	---	---	---	1968
1969	1 980 AT 07:34 MST ON JUL 05 *	1 860 ON JUL 04 *	93.2B ON JAN 10 *	10 600 000	1969
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 600 000	MEAN

SOUTH SASKATCHEWAN RIVER NEAR LEMSFORD - STATION NO. 05HB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	---	---	---	127	139	107	---	1958
1959	74.9	97.6	182	234	375	742	524	224	168	185	145	142	258	1959
1960	103	115	246	426	403	451	348	178	65.2	60.3	73.8	74.8	212	1960
1961	76.6	70.5	116	134	322	703	160	157	89.9	135	120	93.2	182	1961
1962	95.7	121	120	356	282	405	244	148	146	88.6	107	66.9	181	1962
1963	56.5	73.1	185	175	166	492	654	249	166	130	93.3	66.9	210	1963
1964	83.9	93.4	101	165	551	975	480	134	83.9	128	116	84.0	249	1964
1965	102	105	155	500	395	951	1 030	328	314	333	194	149	381	1965
1966	102	118	278	412	411	775	556	241	169	138	105	107	285	1966
1967	88.2	107	165	460	780	1 520	501	193	117	98.6	112	93.1	360	1967
1968	92.4	99.4	142	134	181	595	299	206	225	260	171	69.8	207	1968
1969	100	95.8	157	613	519	641	1 030	262	140	123	114	80.4	325	1969
1970	65.5	85.7	104	268	352	810	417	154	88.7	110	113	74.8	220	1970
1975	---	---	---	---	---	---	---	---	---	---	---	---	---	1975
MEAN	86.7	98.4	163	323	395	754	528	206	148	147	123	93.0	256	MEAN

LOCATION - LAT 51 01 20 N LONG 109 07 30 W DRAINAGE AREA, 119 000 km² REGULATED

SOUTH SASKATCHEWAN RIVER NEAR LEMSFORD - STATION NO. 05HB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1959	---	1 250 ON JUL 01	43.6B ON JAN 14	8 150 000	1959
1960	---	1 190 ON MAR 30	46.2A ON OCT 12	6 710 000	1960
1961	1 130 AT 17:00 CST ON MAY 31	1 100 ON MAY 31	28.3B ON FEB 03	5 720 000	1961
1962	493 AT 17:00 CST ON JUN 24	487 ON JUN 21	21.2B ON DEC 27 *	5 720 000	1962
1963	1 770 AT 06:30 CST ON JUL 04	1 680 ON JUL 04	29.4B ON NOV 21	6 620 000	1963
1964	1 810 AT 00:00 CST ON JUN 13	1 800 ON JUN 13	40.8B ON DEC 03	7 890 000	1964
1965	1 960 AT 04:00 CST ON JUN 23	1 890 ON JUN 23	76.2B ON DEC 31	12 000 000	1965
1966	1 260 AT 01:00 CST ON JUN 09	1 220 ON JUN 09	49.7B ON JAN 07	8 980 000	1966
1967	2 510 AT 19:30 CST ON JUN 04	2 440 ON JUN 04	47.9B ON DEC 29	11 300 000	1967
1968	878 AT 09:00 CST ON JUN 13	875 ON JUN 13	37.9B ON DEC 16	6 540 000	1968
1969	2 200 AT 11:00 CST ON JUL 03	2 180 ON JUL 03	48.4B ON DEC 14	10 200 000	1969
1970	1 900 AT 00:30 CST ON JUN 21	1 820 ON JUN 21	34.3B ON DEC 02	6 940 000	1970
1975	2 940 AT 11:11 CST ON JUN 24 *	2 890 ON JUN 24 *	---	---	1975
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 060 000	MEAN

SOUTH SASKATCHEWAN RIVER NEAR OUTLOOK - STATION NO. 05HF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	782	471	210	250	331	---	---	---	1947
1948	---	---	---	---	1 550	1 710	649	403	178	104	---	---	---	1948
1949	---	---	---	255	232	423	181	140	65.4	45.6	---	---	---	1949
1950	---	---	---	---	339	717	657	328	166	131	---	---	---	1950
1951	---	---	---	557	886	995	1 140	523	761	483	---	---	---	1951
1952	---	---	---	1 210	569	697	673	404	239	164	---	---	---	1952
1953	---	---	---	---	616	1 790	856	369	251	152	---	---	---	1953
1954	---	---	---	---	676	998	720	416	750	374	277	---	---	1954
1955	---	---	---	---	597	736	682	255	146	164	---	---	---	1955
1956	---	---	---	---	464	784	551	313	226	181	---	---	---	1956
1957	---	---	---	---	659	612	275	135	140	151	---	---	---	1957
1958	---	---	---	---	505	657	527	257	155	142	---	---	---	1958
1959	---	---	---	321	352	759	624	265	194	205	---	---	---	1959
1960	---	---	---	537	418	498	390	208	97.4	69.7	---	---	---	1960
1961	---	---	---	200	243	774	194	160	103	118	---	---	---	1961
1962	---	---	---	---	307	397	267	158	147	85.8	---	---	---	1962
1963	---	---	---	---	167	421	689	270	176	128	---	---	---	1963
1964	---	---	---	---	566	984	578	153	86.2	125	---	---	---	1964
1965	---	---	---	---	506	936	1 170	396	271	312	---	---	---	1965
1966	---	---	---	504	391	837	575	52.9	32.0	31.2	---	---	---	1966
MEAN	---	---	---	512	529	825	593	271	221	175	277	---	---	MEAN

LOCATION - LAT 51 28 25 N
LONG 107 04 40 W

DRAINAGE AREA, 136 000 km²
REGULATED

SOUTH SASKATCHEWAN RIVER NEAR OUTLOOK - STATION NO. 05HF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	---	---	---	---	1948
1949	---	544 ON JUN 09	---	---	1949
1950	---	---	---	---	1950
1951	---	1 600 ON JUN 30	---	---	1951
1952	---	2 330 ON APR 11 *	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	1 330 ON JUL 04	---	---	1959
1960	---	1 190 ON APR 01	---	---	1960
1961	---	1 130 ON JUN 03	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	1 500 ON JUN 12	---	---	1966
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SPANGLER DITCH NEAR ADAMS CREEK - STATION NO. 11AB016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0.049	0.050	0.002	0	0	---	---	0.014	1912
1913	---	---	0	0	0.013	0.031	0.003	0	0	0	---	---	0.006	1913
1914	---	---	0	0	0.020	0.050	0.001	0	0	0	---	---	0.009	1914
1915	---	---	0	0	0.006	0	0.041	0.001	0	0	---	---	0.006	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0.018	1917
1918	---	---	0	0	0	0.032	0.101	0.009	0	0	---	---	0.004	1918
1919	---	---	0	0.005	0	0	0	0	0	0	---	---	0.001	1919
1921	---	---	0	0.016	0.008	0	0.010	0	0	0	---	---	0.004	1921
1922	---	---	0	0	0.004	0.023	0.005	0	0	0	---	---	0.004	1922
1923	---	---	0	0	0	0.033	0.002	0	0	0.001	---	---	0.004	1923
1924	---	---	0	0.004	0.006	0.009	0	0	0	0	---	---	0.002	1924
1925	---	---	0	0	0.016	0.040	0	0	0	0	---	---	0.007	1925
1926	---	---	0	0	0.028	0.004	0	0	0	0	---	---	0.004	1926
1927	---	---	0	0	0	0	0.010	0.015	0	0	---	---	0.003	1927
1928	---	---	0	0	0.002	0.008	0	0	0	0	---	---	0.001	1928
1929	---	---	0	0	0	0.027	0.012	0	0	0	---	---	0.005	1929
1930	---	---	0	0	0.005	0.027	0.003	0	0	0	---	---	0.004	1930
MEAN	---	---	0	0.001	0.006	0.019	0.014	0.002	0	0.001	0.013	---	0.005	MEAN

LOCATION - LAT 49 32 00 N
LONG 109 47 00 W

REGULATED

SPANGLER DITCH NEAR ADAMS CREEK - STATION NO. 11AB016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	0.091 ON JUN 15	0 ON MAR 01 *	286	1912
1913	---	0.062 ON JUN 04	0 ON MAR 01	125	1913
1914	---	0.142 ON JUN 06	0 ON MAR 01	187	1914
1915	---	0.136 ON JUL 08	0 ON MAR 01	128	1915
1916	---	0 ON MAR 01	0 ON MAR 01	0	1916
1917	---	0.167 ON JUL 05 *	0 ON MAR 01	377	1917
1918	---	0.028 ON JUN 28	0 ON MAR 01	81.0	1918
1919	---	0.023 ON APR 23	0 ON MAR 01	12.4	1919
1921	---	0.034 ON APR 15	0 ON MAR 01	87.9	1921
1922	---	0.040 ON JUN 15	0 ON MAR 01	83.0	1922
1923	---	0.071 ON JUN 20	0 ON MAR 01	93.3	1923
1924	---	0.028 ON MAY 30	0 ON MAR 01	49.8	1924
1925	---	0.071 ON JUN 10	0 ON MAR 01	147	1925
1926	---	0.042 ON MAY 04	0 ON MAR 01	84.6	1926
1927	---	0.048 ON JUL 25	0 ON MAR 01	65.8	1927
1928	---	0.023 ON JUN 07	0 ON MAR 01	27.3	1928
1929	---	0.048 ON JUN 12	0 ON MAR 01	101	1929
1930	---	0.028 ON MAY 26	0 ON MAR 01	90.3	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		113	MEAN

SPANGLER DITCH NEAR GOVENLOCK - STATION NO. 11AB060

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	0	0	0	---	---	---	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	---	0	0	0	0	0	---	---	---	1919
1920	---	---	0	0	0	---	---	0	0	0	---	---	---	1920
1922	---	---	0	0	0.052	0.011	0	0	0	0	---	---	0.008	1922
1924	---	---	0	0	0.006	0.010	0	0	0	0	---	---	0.002	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0.030	0	0	0	0	0	---	---	0.004	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0.014	0.026	0.007	0	0	0	0	---	---	0.006	1929
1930	---	---	0	0.009	0.028	0	0	0	0	0	---	---	0.005	1930
1931	---	---	0	0	0.113	0.020	0	0	0	0	---	---	0.017	1931
1950	---	---	0	0.726	0.042	0	0	0	0	0	---	---	0.094	1950
1951	---	---	0	0.493	0.098	0.022	0	0.055	0.006	0	---	---	0.083	1951
1952	---	---	0	0.179	0.136	0.001	0	0	0	0	---	---	0.039	1952
1953	---	---	0.017	0.391	0.041	0.063	0.012	0	0	0	---	---	0.064	1953
1954	---	---	0	0.554	0.145	0.072	0.005	0.038	0.006	0.008	---	---	0.102	1954
1955	---	---	0.032	0.422	0.020	0	0.245	0	0.138	0	---	---	0.106	1955
1956	---	---	0.043	0.405	0.064	0.008	0.128	0.179	0.001	0.125	---	---	0.119	1956
1957	---	---	0.041	0.473	0.105	0	0.160	0.307	0.016	0.076	---	---	0.147	1957
1958	---	---	0.117	0.457	0.009	0	0.031	0.404	0	0	---	---	0.127	1958
1959	---	---	0.322	0.513	0.025	0	0	0	0	0	---	---	0.107	1959
1960	---	---	0.136	0.531	0.050	0	0	0	0	0	---	---	0.089	1960
1961	---	---	0	0	0.198	0.111	0.115	0	0	0	---	---	0.053	1961
1962	---	---	0	0	0	0	0.490	0.091	0	0	---	---	0.074	1962
1963	---	---	0	0.085	0.186	0.297	0.325	0.056	0.153	0.110	---	---	0.151	1963
1964	---	---	0	0.177	0.383	0.315	0.170	0.267	0	0	---	---	0.164	1964
1965	---	---	0	0	0.479	0.138	0.002	0	0	0	---	---	0.078	1965
1966	---	---	0	0.514	0.086	0.414	0	0.490	0	0	---	---	0.186	1966
1967	---	---	0	0	0.431	0.709	0.395	0.134	0	0	---	---	0.208	1967
1968	---	---	0	0	0.445	0.428	0.078	0.320	0	0	---	---	0.159	1968
1969	---	---	0	0.193	0.274	0.499	0	0.471	0	0	---	---	0.179	1969
1970	---	---	0	0	0.468	0.067	0.045	0.394	0	0	---	---	0.123	1970
1971	---	---	0	0.095	0.576	0.127	0.502	0.073	0	0	---	---	0.173	1971
1972	---	---	0.034	0.211	0.479	0.369	0.502	0.117	0	0	---	---	0.214	1972
1973	---	---	0	0	0.482	0.070	0.414	0.009	0	0	---	---	0.123	1973
1974	---	---	0	0	0.286	0.342	0.310	0.277	0.004	0	---	---	0.153	1974
1975	---	---	0	0	0.237	0.435	0.124	0.231	0	0	---	---	0.128	1975
1976	---	---	0	0	0.408	0	0.238	0.102	0	0	---	---	0.095	1976
1977	---	---	0	0	0.346	0.041	0.590	0.004	0	0	---	---	0.124	1977
1978	---	---	0	0	0	0.495	0.035	0.384	0.001	0	---	---	0.114	1978
1979	---	---	0	0	0.171	0.579	0.184	0.156	0.001	0	---	---	0.136	1979
1980	---	---	0	0	0.610	0	0.343	0.006	0.002	0	---	---	0.122	1980
1981	---	---	0	0	0.354	0.168	0	0.001	0	0	---	---	0.065	1981
1982	---	---	0	0.101	0.060	0.393	0.295	0.160	0	0	---	---	0.126	1982
1983	---	---	0	0.245	0.191	0.384	0.188	0.197	0	0	---	---	0.150	1983
1984	---	---	0	0	0.312	0	0	0	0	0	---	---	0.039	1984
1985	---	---	0	0	0.642	0	0.296	0	0	0	---	---	0.119	1985
1986	---	---	0.346	0	0.280	0.190	0.272	0.036	0.049	0	---	---	0.147	1986
1987	---	---	0	0	0.479	0	0.415	0	0	0	---	---	0.113	1987
1988	---	---	0	0.206	0.281	0	0.457	0	0	0	---	---	0.119	1988
1989	---	---	0	0	0.192	0	0	0	0	0	---	---	0.024	1989
1990	---	---	0.206	0.146	0.495	0.025	0.475	0.021	0.171	0	---	---	0.193	1990
MEAN	---	---	0.024	0.130	0.200	0.126	0.145	0.089	0.010	0.006	---	---	0.094	MEAN

LOCATION - LAT 49 09 16 N
LONG 109 54 58 W REGULATED

INTERNATIONAL GAUGING STATION

SPANGLER DITCH NEAR GOVENLOCK - STATION NO. 1IAB060

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	0 ON MAR 01	0 ON MAR 01 *	0	1917
1918	---	0 ON MAR 01	0 ON MAR 01	0	1918
1919	---	0 ON MAR 01	0 ON MAR 01	0	1919
1920	---	---	---	---	1920
1922	---	---	---	---	1922
1924	---	0.249 ON MAY 18	0 ON MAR 01	167	1924
1925	---	0.010E ON JUN 01	0 ON MAR 01	42.0	1925
1926	---	0 ON MAR 01	0 ON MAR 01	0	1926
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0.119 ON MAY 23	0 ON MAR 01	80.8	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
1930	---	0.026E ON MAY 01	0 ON MAR 01	124	1930
1931	---	0.170 ON MAY 01	0 ON MAR 01	97.5	1931
1950	---	0.142 ON MAY 14	0 ON MAR 01	357	1950
1951	---	1.84 ON APR 22 *	0 ON MAR 01	2 000	1951
1952	---	1.50 ON APR 10	0B ON MAR 01	1 760	1952
1953	---	0.934B ON APR 06	0B ON MAR 01	830	1953
1954	---	0.994 ON APR 25	0 ON MAR 01	1 360	1954
1955	---	1.03 ON APR 15	0 ON MAR 01	2 160	1955
1956	---	1.14 ON APR 10	0 ON MAR 01	2 250	1956
1957	---	1.03 ON APR 11	0B ON MAR 01	2 520	1957
1958	---	1.25 B ON APR 01	0B ON MAR 01	3 110	1958
1959	---	1.40 ON MAR 31	0B ON MAR 01	2 690	1959
1960	---	1.32 ON APR 03	0 ON MAR 01	2 260	1960
1961	---	0.708 ON APR 24	0B ON MAR 01	1 880	1961
1962	---	0.510 ON JUL 08	0 ON MAR 01	1 130	1962
1963	---	1.23 ON JUL 12	0 ON MAR 01	1 560	1963
1964	---	1.44 ON JUL 25	0 ON MAR 01	3 200	1964
1965	---	1.41 ON MAY 21	0 ON MAR 01	3 470	1965
1966	---	1.40 ON JUN 26	0 ON MAR 01	1 640	1966
1967	---	1.56 ON JUN 04	0 ON MAR 01	3 950	1967
1968	---	1.75 ON JUN 14	0 ON MAR 01	4 410	1968
1969	---	1.37 ON MAY 03	0 ON MAR 01	3 370	1969
1970	---	1.38 ON AUG 12	0 ON MAR 01	3 790	1970
1971	---	1.56 ON MAY 22	0 ON MAR 01	2 600	1971
1972	---	1.34 ON JUL 27	0 ON MAR 01	3 660	1972
1973	---	1.35 ON JUL 29	0B ON MAR 01	4 540	1973
1974	---	1.38 ON MAY 25	0 ON MAR 01	2 600	1974
1975	---	1.14 ON JUL 24	0 ON MAR 01	3 230	1975
1976	---	1.13 ON JUL 30	0 ON MAR 01	2 710	1976
1977	---	1.33 ON MAY 20	0 ON MAR 01	5 000	1977
1978	---	1.60 ON MAY 27	0 ON MAR 01	2 630	1978
1979	---	1.27 ON AUG 01	0 ON MAR 01	5 410	1979
1980	---	1.17 ON JUN 05	0 ON MAR 01	2 870	1980
1981	---	1.38 ON MAY 13	0 ON MAR 01	2 570	1981
1982	---	1.09 ON MAY 29	0 ON MAR 01	1 390	1982
1983	---	1.24 ON APR 30	0 ON MAR 01	2 660	1983
1984	---	1.31 ON APR 27	0 ON MAR 01	3 170	1984
1985	---	1.08 ON MAY 11	0 ON MAR 01	834	1985
1986	---	1.83 ON JUL 09	0 ON MAR 01	2 510	1986
1987	---	1.37 ON MAY 21	0 ON MAR 01	3 120	1987
1988	---	1.33 ON MAY 18	0 ON MAR 01	2 390	1988
1989	---	1.20 ON MAY 01	0 ON MAR 01	2 510	1989
1990	---	0.899 ON MAY 13	0 ON MAR 01	516	1990
		1.09 ON MAY 19	0B ON MAR 01	4 090	MEAN
				1 990	

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPIRIT CREEK NEAR BUCHANAN - STATION NO. 05MB007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	2.38	5.53	2.05	---	---	---	---	---	---	---	1957
1958	---	---	0.110	0.388	---	---	---	---	---	---	---	---	---	1958
1959	---	---	0.168	0.310	---	---	---	---	---	---	---	---	---	1959
1960	---	---	0.045	1.79	0.181	---	---	---	---	---	---	---	---	1960
1961	---	---	---	0	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	1.18	0.117	---	---	---	---	---	---	---	---	1962
1963	---	---	0.051	0.028	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.300	0.031	---	---	---	---	---	---	---	---	1964
1965	---	---	0	0.760	0.071	0.095	0.041	0	0	0.010	---	---	0.120	1965
1966	---	---	0	2.24	0.470	0.014	0.002	0.018	0.003	0	---	---	0.339	1966
1967	---	---	0	1.10	1.23	0.018	0	0	0	0	---	---	0.293	1967
1968	---	---	0.371	0.140	0.010	0.002	0	0	0	0	---	---	0.066	1968
1969	0	0	0	0.973	0.006	0.002	0.019	0.002	0	0	0	0	0.123	1969
1970	0	0	0	0.968	0.317	0.003	0.002	0	0	0	0	0	0.159	1970
1971	0	0	0	2.61	0.026	0.008	0	0.001	0	0	0	0	0.324	1971
1972	---	---	0	4.11	0.434	0.001	0	0	0	0	---	---	0.558	1972
1973	---	---	0.075	0.119	0.026	0.170	0.026	0	0	0	---	---	0.051	1973
1974	---	---	0	3.11	2.16	0.266	0.001	0	0	0	---	---	0.687	1974
1975	---	---	0	3.04	1.11	0.023	0	0	0	0	---	---	0.515	1975
1976	---	---	0	4.72	0.046	0.146	0.027	0	0	0	---	---	0.605	1976
1977	---	---	0	0.521	0.002	0	0	0	0	0	---	---	0.064	1977
1978	---	---	0	0.533	0.015	0.003	0.146	0	0	0	---	---	0.086	1978
1979	---	---	0	3.77	1.51	0.069	0.001	0	0	0	---	---	0.661	1979
1980	---	---	0	1.33	0.002	0	0	0	0	0	---	---	0.163	1980
1981	---	---	0.092	0.002	0	0	0.007	0	0	0.006	---	---	0.014	1981
1982	---	---	0.022	0.580	0.003	0	0.001	0	0	0	---	---	0.074	1982
1983	---	---	0	1.81	0.317	0.020	0.021	0.003	0.001	0	---	---	0.267	1983
1984	---	---	0.846	0.470	0.021	0.093	0.010	0	0.001	0.001	---	---	0.180	1984
1985	---	---	0	4.56	0.126	0.001	0	0	0	0	---	---	0.574	1985
1986	---	---	0.717	1.98	0.018	0	0.004	0.018	0	0	---	---	0.339	1986
1987	---	---	0.008	1.84	0.026	0.032	0	0	0	0	---	---	0.233	1987
1988	---	---	0	3.66	0.076	0	0	0	0	0	---	---	0.458	1988
1989	---	---	0	0.001	0.001	0	0	0	0	0	---	---	0	1989
1990	---	---	0.123	3.71	0.063	0.001	0	0	0	0	---	---	0.478	1990
MEAN	0	0	0.088	1.62	0.465	0.112	0.012	0.002	0	0.001	0	0	0.286	MEAN

LOCATION - LAT 51 42 36 N LONG 102 48 21 W DRAINAGE AREA, 259 km² REGULATED

SPIRIT CREEK NEAR BUCHANAN - STATION NO. 05MB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	2.76 ON APR 12	0B ON MAR 01 *	2 540	1965
1966	---	8.64 A ON APR 13	0B ON MAR 01	7 170	1966
1967	10.7 AT 23:30 CST ON APR 26	7.02 ON APR 30	0B ON MAR 01	6 200	1967
1968	2.58 A AT 24:00 CST ON MAR 27	2.32 A ON MAR 27	0B ON MAR 01	1 390	1968
1969	10.6 B AT 04:30 CST ON APR 14	7.90 B ON APR 14	0B ON MAR 01	2 600	1969
1970	---	3.88 ON APR 10	0B ON MAR 01	3 370	1970
1971	14.9 B AT 00:58 CST ON APR 15	11.0 B ON APR 15	0B ON MAR 01	6 860	1971
1972	---	16.1 E ON APR 15	0B ON MAR 01	11 800	1972
1973	2.12 AT 11:11 CST ON JUN 04	1.70 ON JUN 04	0B ON MAR 01	1 090	1973
1974	24.7 AT 23:40 CST ON APR 20	18.5 ON APR 21	0B ON MAR 01	14 500	1974
1975	10.7 AT 03:37 CST ON APR 29	9.60 ON APR 29	0B ON MAR 01	10 900	1975
1976	26.8 AT 19:15 CST ON APR 14 *	26.1 ON APR 14 *	0B ON MAR 01	12 800	1976
1977	4.64 B AT 00:34 CST ON APR 10	2.86 B ON APR 10	0B ON MAR 01	1 360	1977
1978	4.96 AT 13:09 CST ON JUL 01	2.04 ON JUL 01	0B ON MAR 01	1 820	1978
1979	23.0 AT 22:06 CST ON APR 23	18.2 ON APR 24	0B ON MAR 01	14 000	1979
1980	10.2 AT 02:24 CST ON APR 14	7.00 ON APR 14	0B ON MAR 01	3 450	1980
1981	0.658B AT 02:53 CST ON MAR 15	0.478B ON MAR 15	0 ON APR 20	288	1981
1982	2.53 B AT 14:50 CST ON APR 14	2.36 B ON APR 14	0B ON MAR 01	1 570	1982
1983	18.0 B AT 01:24 CST ON APR 23	11.0 B ON APR 23	0B ON MAR 01	5 650	1983
1984	5.60 B AT 01:18 CST ON MAR 26	4.75 B ON MAR 25	0B ON MAR 01	3 810	1984
1985	16.9 AT 00:29 CST ON APR 10	12.0 ON APR 10	0B ON MAR 01	12 200	1985
1986	11.2 B AT 01:36 CST ON APR 02	8.77 B ON APR 02	0B ON MAR 01	7 170	1986
1987	13.9 B AT 00:46 CST ON APR 05	10.6 B ON APR 05	0B ON MAR 01	4 930	1987
1988	21.3 AT 22:53 CST ON APR 05	16.6 ON APR 06	0B ON MAR 01	9 690	1988
1989	0.004B AT 23:00 CST ON APR 17	0.004B ON APR 17	0B ON MAR 01	5.70	1989
1990	21.4 B AT 23:01 CST ON APR 03	14.3 B ON APR 04	0B ON MAR 01	10 100	1990
				6 050	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK NEAR WYNYARD - STATION NO. 05MA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	---	---	0.003	0.009	0.010	0.005	---	1916
MEAN	---	---	---	---	---	---	---	---	0.003	0.009	0.010	0.005	---	MEAN

LOCATION - LAT 51 46 24 N LONG 104 06 54 W DRAINAGE AREA, 57.5 km² NATURAL FLOW

SPRING CREEK NEAR WYNYARD - STATION NO. 05MA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
				---	MEAN

SPRING NO. 1 NEAR GULL LAKE - STATION NO. 05HA029

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	---	---	---	---	---	---	1914
1915	---	---	---	---	---	---	0.003	0.001	0.002	0.003	---	---	---	1915
MEAN	---	---	---	---	---	---	0.003	0.001	0.002	0.003	---	---	---	MEAN

LOCATION - LAT 50 02 35 N LONG 108 25 55 W NATURAL FLOW

SPRING NO. 1 NEAR GULL LAKE - STATION NO. 05HA029

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0R ON JUL 08 *	---	1914
1915	---	---	0 ON JUL 22	---	1915
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

SPRING NO. 2 NEAR GULL LAKE - STATION NO. 05HA030

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0.004	0.004	0.002	0.002	---	---	---	---	---	---	---	1915
MEAN	---	---	0.004	0.004	0.002	0.002	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 50 01 54 N LONG 108 30 32 W NATURAL FLOW

SPRING NO. 2 NEAR GULL LAKE - STATION NO. 05HA030

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
				---	MEAN

SPRUCE (LITTLE RED) RIVER NEAR PRINCE ALBERT - STATION NO. 05GG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	0.674	2.84	1.84	---	---	---	1915
MEAN	---	---	---	---	---	---	---	0.674	2.84	1.84	---	---	---	MEAN

LOCATION - LAT 53 13 17 N LONG 105 43 15 W DRAINAGE AREA, 1 670 km² NATURAL FLOW

SPRUCE (LITTLE RED) RIVER NEAR PRINCE ALBERT - STATION NO. 05GG002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
				---	MEAN

SPRUCE RIVER BELOW ANGLIN LAKE RESERVOIR - STATION NO. 05GG007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	0.016	0.114	0.143	0.145	0.138	0.137	0.120	0.183	0.025	---	---	1962
1963	---	---	0	0.133	0.136	0.134	0.168	0.097	0.147	0.130	---	---	---	1963
1964	---	---	0.032	0.169	0.162	0.116	0.063	0.112	0.111	0.164	---	---	---	1964
1965	---	---	0.008	0.054	0.146	0.159	0.787	2.75	0.861	0.368	---	---	---	1965
1966	---	---	0.171	2.17	1.86	0.237	1.12	1.13	0.295	0.149	---	---	---	1966
1967	---	---	0.027	0.132	0.380	0.799	0.454	0.209	0.162	0.171	---	---	---	1967
1968	---	---	0.016	0.531	0.524	0.796	0.189	0.197	0.212	0.905	0.700	0.415	---	1968
1969	0.519	0.424	0.381	2.79	0.795	0.236	0.167	0.127	0.201	0.548	1.03	0.796	0.665	1969
1970	0.590	0.493	0.468	2.95	2.80	0.664	4.71	0.650	0.412	0.409	0.551	0.620	1.28	1970
1971	0.480	0.387	0.377	1.67	0.284	0.127	2.17	0.668	0.179	0.142	0.038	0.336	0.573	1971
1972	0.525	0.561	0.566	2.22	2.53	0.151	0.158	0.138	0.149	0.123	0.006	0.005	0.594	1972
1973	0.022	0.008	0.495	1.46	3.84	7.08	6.85	2.13	0.519	0.417	2.24	1.29	2.21	1973
1974	1.03	1.42	1.99	4.83	9.20	3.48	6.27	3.06	1.76	1.62	1.11	0.700	3.06	1974
1975	0.634	0.594	0.432	1.45	2.90	2.53	3.08	0.687	0.562	0.460	0.246	0.354	1.17	1975
1976	0.318	0.317	0.344	0.663	0.233	0.240	0.111	0.119	0.152	0.099	0.003	0.003	0.216	1976
1977	0.004	0.002	0.003	0.193	0.295	0.551	0.213	0.167	0.178	0.176	0.016	0.005	0.151	1977
1978	0.004	0.019	0.653	1.75	2.19	1.65	0.535	0.201	0.204	1.05	0.853	0.013	0.763	1978
1979	0.021	0.020	0.937	2.00	4.85	1.61	0.434	0.271	0.222	0.680	0.406	0.006	0.962	1979
1980	0.006	0.007	0.149	1.46	0.264	0.199	0.153	0.161	0.181	1.32	1.03	0.047	0.413	1980
1981	0.017	0.103	0.509	2.41	2.62	0.275	0.146	0.215	0.196	0.195	0.015	0.011	0.561	1981
1982	0.010	0.018	0.055	1.17	1.05	0.230	0.180	0.177	0.308	0.671	0.868	0.323	0.422	1982
1983	0.271	0.324	0.831	1.45	2.43	0.280	0.691	0.302	0.349	0.407	0.287	0.365	0.670	1983
1984	0.313	0.276	0.268	1.84	1.98	5.65	0.727	0.240	0.252	0.323	0.829	0.725	1.11	1984
1985	0.404	0.276	0.587	5.32	8.73	2.79	0.567	0.308	0.386	0.240	0.385	0.278	1.69	1985
1986	0.100	0.202	0.285	1.64	1.09	0.389	0.163	0.165	0.152	0.159	0.101	0.049	0.374	1986
1987	0.024	0.058	0.118	0.725	0.369	0.173	0.150	0.150	0.509	0.150	0.041	0.018	0.208	1987
1988	0.019	0.029	0.107	0.554	0.634	0.324	0.181	0.098	0.172	0.302	0.225	0.034	0.223	1988
MEAN	0.266	0.277	0.364	1.55	1.94	1.15	1.13	0.543	0.332	0.428	0.500	0.304	0.866	MEAN

LOCATION - LAT 53 39 50 N DRAINAGE AREA, 670 km²
LONG 106 00 30 W REGULATED SINCE 1962

SPRUCE RIVER BELOW ANGLIN LAKE RESERVOIR - STATION NO. 05GG007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	0.360 ON APR 30	0 E ON MAY 17 *	---	1962
1963	---	0.227 ON SEP 18	0 E ON MAR 01	---	1963
1964	0.575 AT 09:30 CST ON APR 17	0.487 ON APR 16	---	---	1964
1965	4.90 AT 17:00 CST ON AUG 02	4.59 ON AUG 03	---	---	1965
1966	1.34 AT 17:30 CST ON APR 27	1.31 ON APR 26	---	---	1966
1967	1.32 AT 19:00 CST ON MAY 25	1.18 ON MAY 26	---	---	1967
1968	1.97 AT 19:00 CST ON JUN 06	1.93 ON JUN 07	---	---	1968
1969	6.97 AT 09:30 CST ON APR 21	6.23 ON APR 22	0.002 ON OCT 18	21 000	1969
1970	11.7 AT 22:00 CST ON JUL 06	11.0 ON JUL 07	0.263 ON AUG 30	40 500	1970
1971	---	4.47 ON JUL 21	0.012 ON NOV 03	18 100	1971
1972	---	8.35 ON APR 30	0.003 ON DEC 21	18 800	1972
1973	16.8 AT 16:24 CST ON JUN 11	16.5 ON JUL 06 *	0.003 ON OCT 16	69 600	1973
1974	12.0 AT 07:59 CST ON MAY 01	11.9 ON APR 24	0.549 ON JUN 25	96 400	1974
1975	7.99 AT 12:18 CST ON JUL 03	7.62 ON JUL 04	0.181 ON NOV 04	36 700	1975
1976	2.05 AT 18:15 CST ON MAY 02	1.40 ON APR 17	0.002E ON DEC 02	6 820	1976
1977	2.35 AT 18:17 CST ON MAY 31	2.22 ON JUN 01	0.002E ON FEB 05	4 750	1977
1978	5.01 AT 15:00 CST ON MAY 04	4.93 ON MAY 03	0.003E ON JAN 01	24 100	1978
1979	6.72 AT 19:29 CST ON MAY 22	6.65 ON MAY 22	0.006E ON DEC 14	30 300	1979
1980	3.24 AT 11:22 CST ON APR 18	3.14 ON APR 19	0.005 ON DEC 16	13 100	1980
1981	5.33 AT 20:46 CST ON MAY 02	5.29 ON MAY 02	0.005 ON JAN 01	17 700	1981
1982	2.91 AT 03:56 CST ON APR 30	2.89 ON APR 30	0.008B ON JAN 03	13 300	1982
1983	4.27 AT 16:02 CST ON APR 29	4.16 ON APR 30	0.078 ON APR 10	21 100	1983
1984	11.4 AT 13:54 CST ON JUN 11	11.0 ON JUN 12	0.179 ON AUG 31	35 200	1984
1985	18.5 AT 13:18 CST ON APR 22 *	15.2 ON APR 22	0.042 ON FEB 14	53 400	1985
1986	3.08 AT 21:19 CST ON APR 25	2.99 ON APR 26	0.029 ON DEC 31	11 800	1986
1987	1.30 AT 06:29 CST ON APR 11	1.23 ON APR 22	0.018E ON NOV 07	6 540	1987
1988	1.07 AT 16:17 CST ON APR 19	1.04 ON APR 20	0.014E ON DEC 31	7 060	1988
				27 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SPRUCE RIVER DIVERSION TO EMMA LAKE - STATION NO. 05GG006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	---	0.382	0.028	0	0	---	---	---	1961
1962	---	---	0.107	0.623	0.585	0.482	0	0	0	0	---	---	0.223	1962
1963	---	---	0	0.177	0	0	0	0	0.275	0.504	0.361	---	0.119	1963
1964	---	---	0	0.183	0.368	0	0	0	0.177	0.528	0.300	---	0.157	1964
1965	---	---	0	0.200	0.451	0.572	0.435	0.458	0.584	0.577	0.620	0.595	0.409	1965
1966	0.402	---	---	0.556	0.571	0.457	0.332	0.549	0.541	0.591	0.188	---	---	1966
1967	---	---	0	0	0	0.388	0.456	0.213	0	0	---	---	0.132	1967
1968	---	---	0	0	0.574	0.318	0.508	0.469	0	0	---	---	0.245	1968
1969	---	---	0	0	0.064	0.578	0.376	0.611	0.088	0	---	---	0.214	1969
1970	---	---	0	0	0	0.420	0	0	0	0	---	---	0.051	1970
1971	---	---	0	0	0.187	0.575	0.175	0	0	0	---	---	0.116	1971
1972	---	---	0	0	0	0.084	0.180	0.169	0	0	---	---	0.054	1972
1973	---	---	0	0.397	0.539	0	0	0	0	0	---	---	0.117	1973
1974	---	---	0	0	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0	0	0	0	0	0	0	---	---	0	1975
1976	---	---	0	0	0	0	0	0.001	0.060	0	---	---	0.007	1976
1977	---	---	0	0.155	0.512	0.332	0.115	0	0	0	---	---	0.139	1977
1978	---	---	0	0	0.153	0	0.329	0.483	0	0	---	---	0.122	1978
1979	---	---	0	0	0	0	0	0.056	0.042	0	---	---	0.012	1979
1980	---	---	0	0.021	0.539	0.169	0.210	0	0	0	---	---	0.118	1980
1981	---	---	0	0.048	0.545	0.213	0.414	0.578	0.145	0	---	---	0.244	1981
1982	---	---	0	0	0.490	0.296	0	0	0	0	---	---	0.098	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0.002	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0	0	0	0	0	0.233	0.014	0	---	---	0.031	1986
1987	---	---	0	0.048	0.523	0.522	0.042	0	0	0.518	0.100	---	0.207	1987
1988	---	---	0	0	0.465	0.425	0	0	0.073	0.467	---	---	0.179	1988
1989	---	---	0	0	0.333	0.518	0.495	0	0	0	---	---	0.168	1989
1990	---	---	0	0	0.464	0.516	0.486	0.573	0.185	0	---	---	0.278	1990
MEAN	0.402	---	0.004	0.083	0.254	0.237	0.167	0.147	0.073	0.106	0.314	0.595	0.123	MEAN

LOCATION - LAT 53 40 20 N
LONG 106 00 00 W REGULATED

SPRUCE RIVER DIVERSION TO EMMA LAKE - STATION NO. 05GG006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	---	0 ON JUL 23 *	---	1961
1962	---	0.691 ON APR 12	0B ON MAR 01	4 720	1962
1963	---	0.643 ON APR 19	0 ON MAR 01	2 520	1963
1964	---	0.648 ON APR 24	0 ON MAR 01	3 330	1964
1965	---	0.674 ON AUG 22	0 ON MAR 01	8 660	1965
1966	---	0.736 ON AUG 28	0E ON APR 19	---	1966
1967	---	0.765 ON JUL 10 *	0 ON MAR 01	2 800	1967
1968	---	0.725 ON MAY 03	0 ON MAR 01	5 190	1968
1969	---	0.620 ON AUG 02	0 ON MAR 01	4 540	1969
1970	---	0.728 ON JUN 28	0 ON MAR 01	1 090	1970
1971	---	0.668 ON JUL 08	0 ON MAR 01	2 460	1971
1972	---	0.558 ON JUL 22	0 ON MAR 01	1 150	1972
1973	---	0.606 ON APR 19	0 ON MAR 01	2 470	1973
1974	---	0 ON MAR 01	0 ON MAR 01	0	1974
1975	---	0 ON MAR 01	0 ON MAR 01	0	1975
1976	---	0.498 ON SEP 11	0 ON MAR 01	159	1976
1977	---	0.762 ON JUN 30	0 ON MAR 01	2 940	1977
1978	---	0.600 ON AUG 08	0 ON MAR 01	2 580	1978
1979	---	0.510 ON AUG 29	0 ON MAR 01	257	1979
1980	0.728 AT 15:00 CST ON MAY 22	0.568 ON MAY 05	0 ON MAR 01	2 500	1980
1981	---	0.661 ON SEP 03	0B ON MAR 01	5 170	1981
1982	0.548 AT 07:43 CST ON MAY 12	0.547 ON MAY 11	0 ON MAR 01	2 080	1982
1983	---	0 ON MAR 01	0 ON MAR 01	0	1983
1984	0.748 AT 13:01 CST ON JUL 22 *	0.048 ON JUL 22	0 ON MAR 01	5.36	1984
1985	---	0 ON MAR 01	0 ON MAR 01	0	1985
1986	0.529 AT 15:37 CST ON AUG 19	0.524 ON AUG 19	0 ON MAR 01	661	1986
1987	0.578 AT 23:07 CST ON APR 28	0.557 ON MAY 01	0 ON MAR 01	4 380	1987
1988	0.653 AT 09:30 CST ON JUN 22	0.630 ON JUN 21	0 ON MAR 01	3 790	1988
1989	0.668 AT 17:32 CST ON MAY 12	0.618 ON MAY 16	0 ON MAR 01	3 560	1989
1990	0.606 AT 10:42 CST ON AUG 26	0.598 ON AUG 24	0 ON MAR 01	5 890	1990
				2 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRUCE RIVER NEAR OUTLET FROM ANGLIN LAKE - STATION NO. 05GG003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	0.597	0.299	0.042	0.042	---	---	---	---	1947
1948	---	---	---	---	2.45	0.226	0.028	0.028	0.028	---	---	---	---	1948
1949	---	---	---	---	0.190	0.321	0.313	0.132	0.085	0.028	---	---	---	1949
1952	---	---	---	1.68	0.530	0.067	0.033	0.027	0.090	---	---	---	---	1952
1953	---	---	0.057	2.21	2.39	0.285	0.139	0.053	0.056	0.054	---	---	0.653	1953
1954	---	---	0.091	1.02	3.42	1.63	0.901	4.73	4.02	1.50	---	---	2.16	1954
1955	---	---	0.538	6.17	12.0	3.12	2.01	0.844	0.635	0.312	---	---	3.20	1955
1956	---	---	0.503	1.12	6.86	2.91	1.15	0.173	0.217	0.246	---	---	1.65	1956
1957	---	---	0.028	1.34	1.58	0.143	0.130	0.043	0.105	0.138	---	---	0.437	1957
1958	---	---	0.031	2.32	0.765	0.205	0.148	0.005	0.110	0.440	---	---	0.498	1958
1959	---	---	0.209	1.74	0.388	0.354	0.118	0.027	0.095	0.732	---	---	0.455	1959
1960	---	---	0.120	3.65	3.00	3.24	1.24	1.13	1.51	0.145	---	---	1.74	1960
1961	---	---	0.568	2.44	1.36	0.194	0.290	0.146	0.111	0.173	---	---	0.657	1961
1962	---	---	0.020	0.155	0.162	0.274	0.222	0.103	0.102	0.668	---	---	0.213	1962
1963	---	---	0.003	0.192	0.081	0.212	0.281	0.055	0.419	0.323	---	---	0.195	1963
1964	---	---	0.065	0.331	0.318	---	---	---	---	---	---	---	---	1964
MEAN	---	---	0.186	1.87	2.37	0.919	0.487	0.503	0.508	0.397	---	---	1.08	MEAN

LOCATION - LAT 53 35 05 N LONG 106 02 51 W DRAINAGE AREA, 792 km² REGULATED

SPRUCE RIVER NEAR OUTLET FROM ANGLIN LAKE - STATION NO. 05GG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1947	---	---	---	---	1947
1948	---	---	---	---	1948
1949	---	---	---	---	1949
1952	---	4.59 ON APR 15	0 ON JUL 18 *	---	1952
1953	---	13.0 E ON APR 26	0.006 ON AUG 22	13 800	1953
1954	---	17.6 ON AUG 25	0.023 ON JUL 04	45 800	1954
1955	---	35.4 ON MAY 04 *	0.011 ON OCT 28	67 800	1955
1956	---	19.0 ON MAY 10	0.020 ON SEP 01	34 900	1956
1957	---	7.16B ON APR 29	0 ON JUL 14	9 250	1957
1958	---	4.67 ON APR 10	0 ON AUG 14	10 500	1958
1959	---	3.79 ON APR 16	0.006 ON SEP 06	9 640	1959
1960	---	9.03 ON JUN 25	0 ON OCT 16	36 800	1960
1961	---	3.45 ON APR 26	0.028B ON MAR 01	13 900	1961
1962	---	1.30 ON OCT 22	0.008B ON MAR 10	4 520	1962
1963	---	1.34 ON SEP 19	0 B ON MAR 01	4 120	1963
1964	---	---	---	---	1964
				22 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SQUAW COULEE NEAR WILLOW CREEK - STATION NO. 11AB103

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.076	0	0.025	0	0	---	---	---	1966
1967	---	---	---	---	---	0.324	0.015	0.016	0	0	---	---	---	1967
1968	---	---	---	0	0.036	0.047	0.001	0.014	0	0	---	---	---	1968
1969	---	---	---	---	0.039	0.107	0.003	0.006	0	0	---	---	---	1969
1970	---	---	---	---	0.027	0.027	0	0	0	0	---	---	---	1970
1971	---	---	---	---	0.059	0.013	0	0.006	0	0	---	---	---	1971
1972	---	---	---	0.076	0.053	0.004	0.021	0.033	0	0	---	---	---	1972
1973	---	---	---	0	0	0.001	0	0	0	0	---	---	---	1973
1974	---	---	0.189	0.145	0.497	0.072	0.016	0.020	0	0	---	---	0.118	1974
1975	---	---	0	0.462	0.184	0.278	0	0.029	0	0	---	---	0.118	1975
1976	---	0.023	0.054	0.005	0.027	0.003	0	0	0	0	---	---	0.011	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.340	0	0.026	0	0.005	0.010	0	---	---	0.047	1978
1979	---	---	0.379	0.034	0.003	0.096	0.003	0.036	0	0	---	---	0.069	1979
1980	---	---	0	0	0.009	0.001	0	0	0	0	---	---	0.001	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.506	0.186	0.074	0	0.015	0	0	---	---	0.096	1982
1983	---	---	0	0	0	0.016	0	0	0	0	---	---	0.002	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0.385	0	0.037	0.023	0	0	---	0.051	---	---	---	1986
1987	---	---	0	0.004	0.027	0.002	0.002	0	0	0	---	---	0.004	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.023	0.054	0	0	0	0	0	0	---	---	0.009	1989
1990	---	---	0.668	0.059	0	0	0	0	0	0	---	---	0.092	1990
MEAN	---	0.023	0.100	0.084	0.051	0.048	0.002	0.008	0	0.002	---	---	0.035	MEAN

LOCATION - LAT 49 02 11 N LONG 109 48 23 W DRAINAGE AREA, 102 km² REGULATED

SQUAW COULEE NEAR WILLOW CREEK - STATION NO. 11AB103

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0 ON JUN 01 *	---	1966
1967	---	---	0 ON JUL 02	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	0.521 AT 18:08 CST ON MAY 10	0.184 ON MAY 28	0 ON APR 26	---	1971
1972	1.74 AT 05:15 CST ON APR 10	1.18 ON APR 10	0 ON APR 09	---	1972
1973	0.031 AT 04:50 CST ON JUN 03	0.022 ON JUN 03	0 ON APR 01	---	1973
1974	6.60 AT 03:49 CST ON MAY 14	3.65 ON MAY 14	0B ON MAR 01	2 500	1974
1975	6.03 AT 15:51 CST ON JUN 20	4.36 ON APR 21	0 ON MAR 01	2 490	1975
1976	---	0.283B ON MAR 22	0B ON MAR 12	239	1976
1977	---	0 ON MAR 01	0 ON MAR 01	0	1977
1978	4.62 B AT 01:19 CST ON APR 06	3.54 B ON APR 05	0B ON MAR 01	985	1978
1979	4.34 B AT 16:36 CST ON MAR 20	2.47 B ON MAR 20	0B ON MAR 01	1 470	1979
1980	0.106 AT 17:03 CST ON MAY 28	0.086 ON MAY 29	0B ON MAR 01	27.8	1980
1981	0.010B AT 15:55 CST ON FEB 25	0.001B ON MAR 01	0B ON MAR 03	0.173	1981
1982	6.82 AT 02:30 CST ON MAY 30 *	4.55 ON MAY 30 *	0B ON MAR 01	2 040	1982
1983	0.197 AT 12:38 CST ON JUN 20	0.121 ON JUN 20	0 ON MAR 01	42.3	1983
1984	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1984
1985	---	0 ON MAR 01	0 ON MAR 01	0	1985
1986	---	---	0 ON APR 02	---	1986
1987	0.244 AT 11:10 CST ON MAY 27	0.234 ON MAY 27	0 ON MAR 01	94.2	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	1.40 AT 20:45 CST ON MAR 31	0.702 ON MAR 31	0 ON MAR 01	201	1989
1990	---	3.55 E ON MAR 03	0 ON MAR 01	1 940	1990
				752	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STOKKE DITCH NEAR GOVENLOCK - STATION NO. 11AB110

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.014	0.005	0.017	0	0	0	0	0	---	---	0.005	1968
1969	---	---	---	0.046	0	0	0	0	0	0	---	---	---	1969
1970	---	---	0	0.041	0	0	0	0	0	0	---	---	0.005	1970
1971	---	---	---	0.024	0	0	0	0.043	0	0	---	---	---	1971
MEAN	---	---	0.007	0.029	0.004	0	0	0.011	0	0	---	---	0.005	MEAN

LOCATION - LAT 49 08 48 N
LONG 109 50 52 W REGULATED

STOKKE DITCH NEAR GOVENLOCK - STATION NO. 11AB110

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.099 ON MAR 26	0E ON MAR 01 *	96.6	1968
1969	---	---	---	---	1969
1970	---	0.218 ON APR 13 *	0 ON MAR 01	105	1970
1971	---	---	---	---	1971
				101	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STONY CREEK NEAR KAMSACK - STATION NO. 05MD010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	2.05	0.094	0.424	0.066	0.016	0.007	0.021	---	---	0.328	1971
1972	---	---	0.014	3.13	0.480	0.054	0.012	0	0	0.006	---	---	0.454	1972
1973	---	---	0.106	0.101	0.058	0.148	0.029	0.001	0.017	0.011	---	---	0.058	1973
1974	---	---	0	2.40	0.868	0.039	0	0	0.001	0.003	---	---	0.408	1974
1975	---	---	0	1.96	0.626	0.194	0.010	0	0.001	0.002	---	---	0.344	1975
1976	---	---	0	3.18	0.131	0.086	0.006	0	0	0	---	---	0.417	1976
1977	---	---	0.009	0.105	0.018	0.001	0	0	0	0	---	---	0.016	1977
1978	---	---	0.020	0.430	0.041	0.009	0.001	0.001	0.001	0.016	---	---	0.064	1978
1979	---	---	0	2.73	0.946	0.019	0.001	0	0	0	---	---	0.456	1979
1980	---	---	0	0.784	0.001	0	0	0	0	0	---	---	0.096	1980
1981	---	---	0.054	0.034	0.028	0.042	0.024	0.005	0	0.004	---	---	0.024	1981
1982	---	---	0.013	0.711	0.006	0.008	0.349	0.006	0.003	0.024	---	---	0.139	1982
1983	---	---	0.010	2.34	0.770	0.210	0.312	0.034	0.003	0.004	---	---	0.455	1983
1984	---	---	0.545	0.478	0.135	0.092	0.005	0.009	0.003	0.008	---	---	0.159	1984
1985	---	---	0.012	3.87	0.308	0.117	0.048	0.002	0.019	0.034	---	---	0.542	1985
1986	---	---	0.404	2.01	0.303	0.005	0.064	0.013	0.001	0.086	---	---	0.357	1986
1987	---	---	0.122	1.40	0.019	0.101	0.045	0.003	0.002	0.012	---	---	0.209	1987
1988	---	0.008	0.111	1.98	0.660	0.017	0.001	0.003	0.002	0.002	---	---	0.343	1988
1989	---	---	0.064	0.234	0.009	0.013	0.018	0.003	0.002	0.004	---	---	0.043	1989
1990	---	---	0.020	2.93	0.256	0.054	0.062	0.026	0.004	0.003	---	---	0.412	1990
MEAN	---	0.008	0.075	1.64	0.288	0.082	0.053	0.006	0.003	0.012	---	---	0.266	MEAN

LOCATION - LAT 51 23 19 N DRAINAGE AREA, 461 km^2
LONG 101 50 19 W NATURAL FLOW

STONY CREEK NEAR KAMSACK - STATION NO. 05MD010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	8.24 B ON APR 11	0 B ON MAR 01 *	6 950	1971
1972	---	9.91 B ON APR 16	0 ON AUG 01	9 620	1972
1973	---	1.09 B ON MAR 24	0 B ON MAR 01	1 240	1973
1974	---	12.4 ON APR 22	0 B ON MAR 01	8 650	1974
1975	9.26 A AT 19:00 CST ON APR 23	9.20 A ON APR 23	0 B ON MAR 01	7 290	1975
1976	11.8 AT 08:47 CST ON APR 11	11.2 A ON APR 13	0 B ON MAR 01	8 820	1976
1977	---	0.252B ON APR 10	0 B ON MAR 01	347	1977
1978	1.44 AT 18:33 CST ON MAY 06	1.00 B ON APR 06	0 B ON MAR 01	1 350	1978
1979	11.1 AT 20:47 CST ON APR 24	10.9 ON APR 24	0 B ON MAR 01	9 660	1979
1980	4.05 AT 02:00 CST ON APR 10	3.28 ON APR 10	0 B ON MAR 01	2 030	1980
1981	---	0.200B ON MAR 17	0 E ON SEP 05	506	1981
1982	4.60 AT 17:02 CST ON JUL 17	3.52 ON JUL 17	0.001B ON MAR 01	2 930	1982
1983	12.5 AT 10:35 CST ON APR 25 *	12.5 ON APR 25 *	0 ON SEP 03	9 640	1983
1984	4.58 B AT 11:23 CST ON MAR 31	2.80 B ON MAR 31	0 B ON MAR 01	3 360	1984
1985	10.3 AT 14:13 CST ON APR 15	10.2 ON APR 15	0.001 ON AUG 03	11 500	1985
1986	9.51 B AT 09:53 CST ON APR 02	9.10 B ON APR 02	0.001 ON JUL 23	7 560	1986
1987	7.11 AT 22:01 CST ON APR 06	6.16 ON APR 07	0.002 ON MAY 23	4 430	1987
1988	6.69 B AT 17:00 CST ON APR 04	6.24 B ON APR 05	0 B ON MAR 20	7 270	1988
1989	0.821B AT 11:26 CST ON APR 02	0.685B ON APR 02	0.001 ON JUN 10	903	1989
1990	11.7 AT 16:48 CST ON APR 19	11.4 ON APR 19	0.001E ON AUG 20	8 720	1990
				5 640	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STONY CREEK NEAR STENEN - STATION NO. 05MC002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0	2.05	0.923	0.114	0.028	0	0	0	---	---	0.386	1957
1958	---	---	0	0.091	0.004	0.002	0	0	0	0	---	---	0.012	1958
1959	---	---	0.001	0.077	0.001	0	0	0	0	0	---	---	0.010	1959
1960	---	---	0	3.65	0.841	0.070	0	0	0	0	---	---	0.562	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.552	0.231	0	0	0	0	0	---	---	0.097	1962
1963	---	---	0.001	0.314	0.025	0	0	0	0	0	---	---	0.042	1963
1964	---	---	0	0.028	0.045	0.003	0	0	0	0	---	---	0.010	1964
1965	---	---	0	0.882	0.287	0.272	0.061	0.012	0.002	0.008	---	---	0.188	1965
1966	---	---	0	2.77	0.866	0.047	0.023	0.004	0	0	---	---	0.457	1966
1967	---	---	0	0.170	1.97	0.008	0	0	0	0	---	---	0.271	1967
1968	---	---	0.006	0.348	0.010	0	0.002	0	0	0	---	---	0.045	1968
1969	---	---	0	1.37	0.088	0.004	0	0	0	0	---	---	0.180	1969
1970	---	---	0	0.568	1.09	0.052	0.006	0	0	0.001	---	---	0.214	1970
1971	---	---	0	4.79	0.709	0.018	0	0	0	0	---	---	0.678	1971
1972	---	---	0	4.54	2.60	0.017	0	0	0	0	---	---	0.886	1972
1973	---	---	0	0.140	0.035	0.043	0.038	0.004	0	0	---	---	0.032	1973
1974	---	---	0	3.02	2.56	0.266	0.010	0	0	0	---	---	0.728	1974
1975	---	---	0	2.17	2.02	0.243	0.032	0.037	0	0	---	---	0.559	1975
1976	---	---	0	3.15	0.373	0.082	0.060	0	0	0	---	---	0.451	1976
1977	---	---	0	0.443	0.063	0	0	0	0	0	---	---	0.062	1977
1978	---	---	0	0.767	0.533	0.042	0.004	0.002	0.001	0	---	---	0.167	1978
1979	---	---	0	3.12	3.58	0.356	0.005	0	0	0	---	---	0.879	1979
1980	---	---	0	1.34	0.093	0	0	0	0	0	---	---	0.176	1980
1981	---	---	0.052	0.219	0.017	0.005	0.011	0.018	0	0.037	---	---	0.044	1981
1982	---	---	0	0.141	0.002	0	0	0	0	0	---	---	0.018	1982
1983	---	---	0	1.57	2.24	0.162	0.016	0.005	0	0	---	---	0.497	1983
1984	---	---	0.140	1.32	0.326	0.505	0.058	0	0	0	---	---	0.289	1984
1985	---	---	0	4.20	0.678	0.001	0	0	0	0	---	---	0.600	1985
1986	---	---	0.011	3.38	0.167	0	0	0	0	0	---	---	0.436	1986
1987	---	---	0	2.03	0.087	0	0.001	0.005	0	0.001	---	---	0.261	1987
1988	---	---	0	3.32	0.553	0.031	0	0	0	0	---	---	0.480	1988
1989	---	---	0	0.029	0	0	0	0	0	0	---	---	0.004	1989
1990	---	---	0	1.09	0.145	0.003	0	0	0	0	---	---	0.152	1990
MEAN	---	---	0.006	1.58	0.681	0.069	0.010	0.003	0	0.001	---	---	0.290	MEAN

LOCATION - LAT 51 52 58 N
LONG 102 19 48 W
DRAINAGE AREA, 254 km²
NATURAL FLOW

STONY CREEK NEAR STENEN - STATION NO. 05MC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---				
1958	0.255 AT 10:30 CST ON APR 07	9.83 ON APR 26	0B ON MAR 01 *	8 160	1957
1959	0.181 AT 23:00 CST ON APR 07	0.255 ON APR 06	0B ON MAR 01	250	1958
		0.178 ON APR 07	0B ON MAR 01	204	1959
1960	12.7 AT 21:00 CST ON APR 20				
1961	---	12.6 ON APR 20	0B ON MAR 01	11 900	1960
1962	---	0 ON MAR 01	0 ON MAR 01	0	1961
1963	0.991 AT 03:00 CST ON APR 11	2.19 ON APR 26	0 ON MAR 01	2 050	1962
1964	0.119 AT 18:00 CST ON MAY 08	0.974 ON APR 11	0B ON MAR 01	885	1963
		0.088 ON MAY 08	0 ON MAR 01	203	1964
1965	---				
1966	8.35 AT 05:00 ON APR 17	1.76 ON APR 16	0B ON MAR 01	3 980	1965
1967	---	8.27 ON APR 17	0 ON MAR 01	9 680	1966
1968	0.966 AT 10:30 CST ON APR 10	4.45 ON MAY 01	0B ON MAR 01	5 730	1967
1969	3.65 A AT 18:00 CST ON APR 15	0.900 ON APR 14	0 ON MAR 01	951	1968
		3.62 A ON APR 15	0B ON MAR 01	3 810	1969
1970	2.09 AT 03:00 CST ON APR 30	2.07 ON APR 30			
1971	23.9 AT 04:37 CST ON APR 18 *	22.2 ON APR 18	0 ON MAR 01	4 530	1970
1972	23.1 AT 04:59 CST ON APR 25	22.7 ON APR 25 *	0B ON MAR 01	14 300	1971
1973	0.289 AT 02:54 CST ON MAY 03	0.261 ON MAY 02	0B ON MAR 01	18 800	1972
1974	14.6 AT 11:18 CST ON APR 22	13.2 ON APR 23	0B ON MAR 01	679	1973
			0B ON MAR 01	15 400	1974
1975	10.2 AT 17:57 CST ON APR 24	9.85 ON APR 24	0B ON MAR 01	11 800	1975
1976	11.4 AT 09:34 CST ON APR 15	11.0 ON APR 15	0B ON MAR 01	9 550	1976
1977	1.21 AT 12:31 CST ON APR 18	1.21 ON APR 18	0B ON MAR 01	1 320	1977
1978	2.28 AT 20:10 CST ON APR 22	2.26 ON APR 22	0B ON MAR 01	3 540	1978
1979	17.9 AT 13:40 CST ON APR 27	17.7 ON APR 27	0B ON MAR 01	18 600	1979
1980	3.86 AT 11:57 CST ON APR 19	3.77 ON APR 19	0B ON MAR 01	3 730	1980
1981	0.402B AT 06:38 CST ON APR 07	0.392B ON APR 04	0B ON MAR 01	941	1981
1982	0.998B AT 08:36 CST ON APR 16	0.482 ON APR 19	0B ON MAR 01	372	1982
1983	9.61 AT 02:49 CST ON APR 27	9.33 ON APR 27	0B ON MAR 01	10 500	1983
1984	2.15 AT 20:13 CST ON APR 04	2.14 ON APR 04	0B ON MAR 01	6 120	1984
1985	10.3 AT 13:37 CST ON APR 23	10.1 ON APR 23	0B ON MAR 01	12 700	1985
1986	8.70 AT 19:01 CST ON APR 11	8.65 ON APR 11	0B ON MAR 01	9 230	1986
1987	5.05 AT 09:11 CST ON APR 10	5.00 ON APR 10	0B ON MAR 01	5 530	1987
1988	8.39 B AT 10:50 CST ON APR 09	7.58 B ON APR 09	0B ON MAR 01	10 200	1988
1989	0.236 AT 16:00 CST ON APR 12	0.201 ON APR 12	0B ON MAR 01	76.2	1989
1990	2.84 B AT 19:45 CST ON APR 07	2.52 B ON APR 08	0B ON MAR 01	3 210	1990
				6 150	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STRONG EAST DITCH NEAR EASTEND - STATION NO. 11AC044

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	0.026	0.090	0.025	0.005	0	0	0	0	---	---	0.018	1920
1922	---	---	0	0.077	0.038	0.049	0.025	0.001	0	0	---	---	0.024	1922
MEAN	---	---	0.013	0.084	0.032	0.027	0.013	0.001	0	0	---	---	0.021	MEAN

LOCATION - LAT 49 29 20 N, LONG 108 47 50 W REGULATED

STRONG EAST DITCH NEAR EASTEND - STATION NO. 11AC044

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	0.314 ON APR 14	0 ON MAR 01 *	382	1920
1922	---	0.501 ON JUL 08 *	0 ON MAR 01	501	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		442	MEAN

STRONG WEST DITCH NEAR EASTEND - STATION NO. 11AC045

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	0	0.031	0	0	0.032	0.007	0	0	---	---	0.009	1922
MEAN	---	---	0	0.031	0	0	0.032	0.007	0	0	---	---	0.009	MEAN

LOCATION - LAT 49 29 20 N, LONG 108 47 50 W REGULATED

STRONG WEST DITCH NEAR EASTEND - STATION NO. 11AC045

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	0.462 ON JUL 08 *	0 ON MAR 01 *	186	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		186	MEAN

STURGEON RIVER NEAR PRINCE ALBERT - STATION NO. 05GF002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	3.14	2.01	0.551	0.302	---	---	---	1966
1967	---	---	0.227	0.755	2.82	1.20	0.511	0.374	0.147	0.152	---	---	0.774	1967
1968	---	---	1.64	5.20	2.07	1.93	0.673	0.503	0.986	1.44	---	---	1.79	1968
1969	---	---	0.451	10.8	4.28	1.08	0.408	0.366	0.147	0.979	---	---	2.29	1969
1970	---	---	0.283	9.14	6.70	1.78	4.49	1.42	0.536	0.332	---	---	3.08	1970
1971	---	---	0.396	4.62	1.14	1.51	4.37	2.66	0.655	0.353	---	---	2.21	1971
1972	---	---	0.340	7.17	9.11	1.18	0.516	0.257	0.181	0.179	---	---	2.36	1972
1973	---	---	0.438	5.17	8.75	9.39	15.8	3.65	3.13	3.94	---	---	6.28	1973
1974	---	---	1.23	21.5	36.6	13.9	11.7	3.94	2.56	3.03	---	---	11.8	1974
1975	---	---	0.605	7.25	14.3	9.85	8.35	1.98	0.966	0.717	---	---	5.49	1975
1976	---	---	0.565	5.59	2.29	1.46	0.766	0.407	0.074	0.040	---	---	1.39	1976
1977	---	---	0.152	1.87	2.19	2.64	1.53	1.57	1.39	0.772	---	---	1.51	1977
1978	---	---	0.231	6.36	7.67	3.14	0.952	0.297	0.307	0.478	---	---	2.42	1978
1979	---	---	0.046	9.54	16.4	8.46	2.50	0.497	0.283	0.371	---	---	4.75	1979
1980	---	---	0.560	7.22	2.88	0.799	1.21	0.722	1.20	1.85	---	---	2.04	1980
1981	---	---	1.15	8.01	7.70	1.93	0.966	0.675	0.314	0.342	---	---	2.63	1981
1982	---	---	0.730	2.41	4.08	1.28	0.359	0.748	0.772	1.11	---	---	1.38	1982
1983	---	---	0.711	6.73	9.94	2.11	1.38	0.488	0.294	0.164	---	---	3.09	1983
1984	---	---	0.579	7.66	4.77	11.9	4.13	0.722	0.448	0.636	---	---	3.83	1984
1985	---	---	0.801	26.8	28.1	9.66	3.29	0.781	0.320	0.617	---	---	8.76	1985
1986	---	---	0.728	9.25	5.59	2.14	0.588	0.457	0.169	0.207	---	---	2.37	1986
1987	---	---	0.416	4.92	1.60	0.239	0.186	0.189	0.154	0.188	---	---	0.976	1987
1988	---	---	0.313	4.63	1.91	0.228	0.084	0.141	0.077	0.121	---	---	0.929	1988
1989	---	---	0.172	2.75	2.85	1.39	0.225	0.108	0.094	0.113	---	---	0.958	1989
1990	---	---	0.526	5.15	4.19	1.22	0.568	0.190	0.067	0.135	---	---	1.50	1990
MEAN	---	---	0.533	7.65	7.91	3.77	2.75	1.01	0.633	0.743	---	---	3.11	MEAN

LOCATION - LAT 53 12 47 N DRAINAGE AREA, 5 100 km²
LONG 105 53 06 W NATURAL FLOW

STURGEON RIVER NEAR PRINCE ALBERT - STATION NO. 05GF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	4.36B AT 23:00 CST ON APR 30	3.74 ON MAY 11	0.091 ON OCT 13	16 400	1967
1968	---	9.74B ON APR 03	0.144B ON MAR 01	38 000	1968
1969	---	30.3 ON APR 15	0.133 ON AUG 25	48 400	1969
1970	20.4 AT 02:00 CST ON APR 18	19.4 ON APR 18	0.227 ON OCT 25	65 100	1970
1971	11.6 AT 19:00 CST ON APR 17	5.74 ON APR 20	0.269 ON OCT 26	46 800	1971
1972	30.0 AT 23:51 CST ON APR 25	29.2 ON APR 26	0.127A ON OCT 06	50 000	1972
1973	28.9 AT 05:08 CST ON JUL 14	25.7 ON JUL 14	0.399B ON MAR 01	133 000	1973
1974	74.8 AT 22:22 CST ON APR 22 *	69.1 ON APR 23 *	1.23 B ON MAR 01	250 000	1974
1975	---	19.2 ON MAY 04	0.527B ON MAR 01	116 000	1975
1976	9.63 AT 18:55 CST ON APR 12	9.15 ON APR 12	0.006 ON SEP 29	29 400	1976
1977	---	4.25E ON JUN 06	0.150B ON MAR 01	31 900	1977
1978	13.1 AT 00:01 CST ON APR 22	12.5 ON APR 22	0.164 ON SEP 11	51 200	1978
1979	42.2 AT 01:03 CST ON APR 26	41.0 ON APR 28	0.032B ON APR 04	100 000	1979
1980	16.9 AT 21:28 CST ON APR 20	16.7 ON APR 20	0.483 ON AUG 17	43 200	1980
1981	10.5 AT 14:24 CST ON MAY 01	10.4 ON MAY 01	0.246 ON SEP 24	55 600	1981
1982	8.49 AT 02:43 CST ON MAY 02	8.37 ON MAY 02	0.100 ON JUL 12	29 100	1982
1983	30.9 AT 12:10 CST ON APR 26	30.8 ON APR 26	0.134 ON OCT 26	65 400	1983
1984	13.3 AT 13:13 CST ON JUN 23	13.2 ON JUN 23	0.339 ON OCT 15	81 000	1984
1985	65.3 AT 19:39 CST ON APR 23	64.4 ON APR 23	0.226 ON SEP 25 *	185 000	1985
1986	14.9 AT 11:53 CST ON APR 10	13.9 ON APR 10	0 ON JUL 23 *	50 300	1986
1987	15.4 B AT 21:37 CST ON APR 12	8.67B ON APR 13	0.069 ON JUL 03	20 700	1987
1988	10.4 B AT 09:04 CST ON APR 15	9.59B ON APR 15	0.039 ON SEP 14	19 700	1988
1989	6.48B AT 03:02 CST ON APR 22	5.63 ON APR 23	0.059E ON AUG 29	20 300	1989
1990	---	8.80B ON APR 11	0.006A ON SEP 19	31 700	1990
				65 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON-WEIR RIVER AT LEAF RAPIDS - STATION NO. 05KG007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	49.4	49.1	---	1972
1973	46.0	41.2	37.3	35.2	53.0	80.6	100	93.1	72.9	56.9	47.0	43.9	59.1	1973
1974	40.9	38.8	36.4	38.3	66.9	87.2	147	217	184	138	106	87.1	99.4	1974
1975	73.4	62.3	50.1	42.2	50.9	69.4	71.8	70.5	57.2	45.3	39.2	32.8	55.4	1975
1976	30.8	29.0	26.9	26.0	24.1	28.9	40.1	39.0	35.4	31.4	28.7	26.8	30.6	1976
1977	24.9	24.1	23.1	22.5	30.6	39.1	34.7	32.1	30.1	28.7	28.8	27.9	28.9	1977
1978	27.4	26.3	25.2	25.5	27.7	28.8	29.1	29.2	30.8	34.8	37.1	37.3	30.0	1978
1979	35.6	33.8	32.4	31.8	38.4	44.5	45.2	39.8	38.3	42.8	53.3	57.7	41.2	1979
1980	52.9	48.3	42.5	39.5	34.4	28.6	24.6	22.1	22.7	25.2	25.7	27.9	32.8	1980
1981	30.1	29.7	28.2	27.0	27.8	26.4	24.6	20.8	17.0	14.5	13.7	14.0	22.8	1981
1982	14.2	13.9	13.8	14.5	22.1	27.0	28.9	33.9	36.0	33.6	32.5	33.1	25.4	1982
1983	32.9	31.5	29.7	29.1	39.6	61.6	96.9	102	100	101	86.9	75.7	65.8	1983
1984	65.0	56.0	47.7	50.0	53.9	76.1	88.5	73.5	62.6	54.7	53.4	51.1	61.1	1984
1985	47.6	44.1	39.9	40.2	77.8	116	141	118	90.2	66.0	52.2	44.5	73.3	1985
1986	38.7	34.1	30.4	29.5	36.5	46.2	56.4	70.3	57.6	49.7	43.3	40.5	44.5	1986
1987	37.7	36.0	33.9	34.5	39.2	44.9	43.9	39.0	36.2	31.1	26.6	24.5	35.6	1987
1988	23.4	23.0	21.9	22.9	27.5	25.7	25.4	23.7	22.1	19.8	18.2	17.9	22.6	1988
1989	17.6	16.8	15.9	15.7	17.3	17.5	18.4	16.1	15.3	13.8	14.1	14.1	16.1	1989
1990	14.5	14.7	15.0	15.3	27.7	32.9	38.5	37.3	31.1	25.2	22.5	21.0	24.7	1990
MEAN	36.3	33.5	30.6	30.0	38.6	49.0	58.6	59.8	52.2	45.1	41.0	38.2	42.7	MEAN

LOCATION - LAT 54 49 40 N
LONG 102 38 08 W
DRAINAGE AREA, 12 600 km²
NATURAL FLOW

STURGEON-WEIR RIVER AT LEAF RAPIDS - STATION NO. 05KG007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	103 AT 17:09 CST ON JUL 24	103 ON JUL 27	33.4 ON APR 17	1 860 000	1973
1974	227 AT 03:07 CST ON AUG 15 *	224 ON AUG 15 *	34.3 ON APR 12	3 130 000	1974
1975	79.3 AT 00:00 CST ON JAN 01	78.7 ON JAN 01	31.4 ON DEC 25	1 750 000	1975
1976	47.9 AT 18:31 CST ON JUL 17	47.9 ON JUL 18	23.3 ON MAY 25	968 000	1976
1977	59.5 AT 21:56 CST ON MAY 29	58.9 ON MAY 29	22.4E ON APR 10	912 000	1977
1978	37.9 AT 00:20 CST ON NOV 05	37.9 ON NOV 05	24.6 ON MAR 30	945 000	1978
1979	58.6 AT 06:56 CST ON DEC 27	58.3 ON DEC 07	30.7 ON APR 06	1 300 000	1979
1980	54.8 AT 05:17 CST ON JAN 01	54.8 ON JAN 01	20.5 ON SEP 11	1 040 000	1980
1981	30.3 AT 08:01 CST ON JAN 13	30.3 ON JAN 13	13.4 ON NOV 30	718 000	1981
1982	38.0 AT 02:11 CST ON AUG 18	37.8 ON AUG 18	13.3 ON APR 11	800 000	1982
1983	113 AT 17:04 CST ON SEP 21	112 ON SEP 21	27.6 ON APR 18	2 080 000	1983
1984	98.9 AT 16:35 CST ON JUN 22	98.4 ON JUN 22	45.3 ON APR 05	1 930 000	1984
1985	147 AT 23:31 CST ON JUL 08	146 ON JUL 07	36.8 ON APR 13	2 310 000	1985
1986	73.0 AT 06:25 CST ON AUG 04	73.0 ON AUG 03	28.8 ON APR 21	1 400 000	1986
1987	48.0 AT 14:37 CST ON JUN 23	47.8 ON JUN 24	24.0 ON DEC 30	1 120 000	1987
1988	28.3 AT 06:43 CST ON MAY 09	28.2 ON MAY 09	17.5 ON DEC 11	715 000	1988
1989	---	21.4 ON JUN 30	13.1A ON OCT 27 *	507 000	1989
1990	41.3 AT 12:32 CST ON JUL 28	41.2 ON JUL 28	14.1 ON JAN 01	780 000	1990
				1 350 000	MEAN

A - MANUAL GAUGE
E - ESTIMATED
(SEE REFERENCE INDEX)
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON-WEIR RIVER AT OUTLET OF AMISK LAKE - STATION NO. 05KG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	45.1	53.0	48.3	44.0	43.0	40.3	39.9	---	1959
1960	38.2	36.7	35.0	35.1	40.0	59.7	73.3	72.8	59.8	---	---	---	---	1960
1961	36.3	34.4	33.3	32.3	35.2	38.7	36.0	31.3	28.1	27.1	27.3	27.2	32.5	1961
1962	26.8	26.1	25.7	25.8	37.8	51.8	51.3	44.5	38.6	34.5	31.6	31.0	35.5	1962
1963	30.9	29.7	28.5	28.6	38.2	46.9	56.5	77.5	84.4	76.8	69.5	49.8	50.7	1963
1964	43.9	38.8	34.6	33.1	38.1	37.8	33.9	33.6	40.2	50.0	53.1	52.7	40.8	1964
1965	50.0	46.6	44.7	43.4	60.1	90.3	103	106	93.9	83.7	75.3	70.0	72.4	1965
1966	64.2	57.3	52.9	48.8	45.9	54.6	77.4	79.6	65.8	52.6	43.8	42.2	57.1	1966
1967	40.3	38.3	36.7	33.5	34.5	46.1	44.8	43.7	36.3	31.2	28.8	28.2	36.5	1967
1968	30.9	30.6	28.1	27.6	29.5	35.4	34.9	30.4	30.3	28.5	28.2	30.6	30.4	1968
1969	32.4	34.6	35.0	36.4	41.2	41.5	38.7	35.4	31.2	35.5	37.7	37.8	36.5	1969
1970	37.6	36.9	35.8	35.3	39.0	45.4	67.2	75.9	74.2	67.3	70.0	68.3	54.5	1970
1971	67.1	64.0	59.1	55.5	60.4	62.0	58.9	55.9	52.7	53.8	56.7	57.5	58.6	1971
1972	57.9	54.8	51.5	48.2	61.8	80.0	97.3	99.5	85.5	69.7	58.0	58.2	63.6	1972
1973	57.0	54.9	53.8	52.4	62.5	91.2	105	98.9	84.8	68.3	59.2	58.3	70.7	1973
1974	56.7	55.1	52.5	52.2	68.7	86.4	108	178	203	173	141	115	108	1974
1975	95.1	79.6	68.1	60.1	65.0	84.7	84.3	81.6	72.3	59.0	53.0	50.0	71.0	1975
1976	47.2	42.7	39.1	37.9	35.2	38.2	50.2	53.7	46.4	40.3	35.2	33.3	41.5	1976
1977	32.5	32.7	32.0	30.6	35.5	50.7	53.3	49.1	43.4	40.9	40.1	39.4	40.0	1977
1978	40.0	38.4	36.8	36.5	41.9	41.8	38.1	36.2	35.9	35.5	40.4	42.5	38.6	1978
1979	47.2	47.7	47.0	46.2	49.4	60.3	59.7	50.7	45.8	45.5	50.0	55.3	50.4	1979
1980	57.8	58.2	55.6	53.8	49.0	44.4	36.2	29.4	29.0	30.3	28.5	28.8	41.7	1980
1981	34.2	35.1	35.8	35.5	36.0	35.4	32.7	28.4	24.4	20.1	20.2	20.4	29.8	1981
1982	21.1	21.7	21.3	21.0	25.8	42.6	36.2	36.1	34.9	35.4	36.6	37.9	30.1	1982
1983	40.0	40.4	40.3	39.7	46.4	59.7	82.3	96.4	105	110	105	91.5	71.5	1983
1984	82.4	73.5	64.9	64.0	65.2	75.5	99.6	90.9	73.7	67.4	65.7	64.7	74.0	1984
1985	60.2	58.2	53.9	51.7	74.4	109	153	134	111	84.1	68.2	60.2	85.1	1985
1986	55.1	48.9	44.4	43.8	49.4	54.3	57.4	69.8	63.8	59.4	55.0	54.3	54.7	1986
1987	46.8	45.8	43.4	41.8	43.6	48.3	50.2	44.9	37.1	33.5	29.5	28.1	41.0	1987
1988	25.3	24.5	23.6	24.7	29.1	29.1	27.8	25.6	23.4	21.5	20.5	20.0	24.6	1988
1989	18.5	19.2	19.0	18.2	19.1	20.8	23.1	18.6	16.7	13.5	14.1	14.7	18.0	1989
1990	15.5	16.8	17.3	17.2	23.5	33.7	36.2	33.8	29.3	25.4	25.0	24.3	24.9	1990
MEAN	44.8	42.7	40.3	39.1	44.5	54.0	60.9	61.6	57.1	51.8	48.2	46.2	49.5	MEAN

LOCATION - LAT 54 26 20 N LONG 102 10 30 W DRAINAGE AREA, 14 600 km²
NATURAL FLOW

STURGEON-WEIR RIVER AT OUTLET OF AMISK LAKE - STATION NO. 05KG002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	---	---	---	1959
1960	---	78.7 ON JUL 24	---	---	1960
1961	---	39.6 ON JUN 10	26.6 ON OCT 03	1 030 000	1961
1962	---	56.1 ON JUL 03	25.7 ON MAR 06	1 120 000	1962
1963	---	88.9 ON SEP 14	28.0 ON MAR 24	1 600 000	1963
1964	---	55.2 ON OCT 28	32.3 ON APR 02	1 290 000	1964
1965	---	114 ON JUL 31	42.8 ON MAR 31	2 280 000	1965
1966	---	86.4 ON JUL 21	41.3 ON DEC 30	1 800 000	1966
1967	---	47.6 ON JUL 23	28.1 ON NOV 30	1 150 000	1967
1968	---	37.1 ON JUL 14	27.2 ON APR 03	961 000	1968
1969	---	43.6 ON JUN 08	30.0 ON SEP 24	1 150 000	1969
1970	---	80.4 ON AUG 18	34.3 ON APR 01	1 720 000	1970
1971	---	68.8 ON JAN 03	47.0 ON SEP 25	1 850 000	1971
1972	---	90.6 ON JUN 30	45.9 ON MAY 03	2 010 000	1972
1973	---	107 ON JUL 17	50.4 ON APR 17	2 230 000	1973
1974	212 AT 12:11 CST ON SEP 12 *	210 ON SEP 12 *	50.7 ON MAR 26	3 400 000	1974
1975	106 AT 04:12 CST ON JAN 02	105 ON JAN 02	49.8 ON DEC 11	2 240 000	1975
1976	63.1 AT 18:47 CST ON JUL 22	57.2 ON JUL 29	30.3 ON NOV 11	1 310 000	1976
1977	64.6 AT 23:00 CST ON JUL 23	55.8 ON JUL 08	29.7 ON APR 17	1 260 000	1977
1978	46.2 AT 01:12 CST ON AUG 18	44.5 ON DEC 31	32.0 ON SEP 28	1 220 000	1978
1979	68.7 AT 13:50 CST ON JUL 24	65.9 ON JUL 24	43.5 ON SEP 28	1 590 000	1979
1980	60.6 AT 02:27 CST ON FEB 09	59.3 ON FEB 05	26.2 ON SEP 11	1 320 000	1980
1981	40.9 AT 16:11 CST ON JUN 05	38.5 ON MAY 22	19.1 ON OCT 08	940 000	1981
1982	43.7 AT 15:19 CST ON AUG 07	40.3 ON JUN 29	20.5 ON JAN 01	950 000	1982
1983	118 AT 00:58 CST ON SEP 18	114 ON OCT 16	38.3 ON JAN 01	2 260 000	1983
1984	---	103 ON JUL 14	61.4E ON DEC 31	2 340 000	1984
1985	173 AT 17:35 CST ON JUL 28	164 ON JUL 13	49.7 ON APR 18	2 680 000	1985
1986	85.3 AT 15:59 CST ON AUG 15	73.9 ON AUG 16	42.0 ON MAR 27	1 720 000	1986
1987	87.6 AT 16:26 CST ON JUL 09	51.5 ON JUL 10	27.5 ON DEC 31	1 290 000	1987
1988	---	31.4 ON MAY 30	19.8E ON DEC 10	779 000	1988
1989	32.6 AT 03:30 CST ON JUL 04	24.7 ON JUL 09	12.2 ON OCT 18 *	566 000	1989
1990	44.2 AT 10:29 CST ON JUL 01	38.1 ON JUL 28	15.0 ON JAN 04	785 000	1990
				1 560 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SUCKER CREEK AT GILCHRIST'S RANCH NEAR VIDORA - STATION NO. 11AC008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	0.824	0.325	0.035	0.057	0.072	---	---	---	1909
1910	---	---	---	0.147	0.072	0.041	0.021	0.045	0.059	0.064	---	---	---	1910
1911	---	---	---	0.746	0.163	0.105	0.050	0.038	0.117	0.086	---	---	---	1911
1912	---	---	---	3.03	0.328	0.090	0.060	0.071	0.093	0.099	---	---	---	1912
1913	---	---	---	1.49	0.209	0.078	0.054	0.039	0.045	0.062	---	---	---	1913
1914	---	---	---	0.675	0.145	0.066	0.010	0.010	0.033	0.084	---	---	---	1914
1915	---	---	---	0.472	0.174	0.146	0.106	0.078	0.117	0.121	---	---	---	1915
1916	---	---	---	0.375	0.612	0.652	0.193	0.038	0.098	0.232	---	---	---	1916
1917	---	---	---	---	1.50	0.221	0.043	0.029	0.044	0.070	---	---	---	1917
1918	---	---	---	---	0.143	0.049	0.030	0.035	0.050	0.060	---	---	---	1918
1919	---	---	---	0.303	0.067	0.024	0.011	0.013	0.037	0.057	---	---	---	1919
1920	---	---	0.071	1.93	0.720	0.194	0.064	0.008	0.026	0.060	---	---	0.380	1920
1921	---	---	0.237	1.12	0.126	0.016	0.019	0.014	0.033	0.050	---	---	0.202	1921
1922	---	---	0.056	2.82	0.774	0.045	0.030	0.024	0.021	0.044	---	---	0.471	1922
1923	---	---	0.045	0.327	0.094	0.130	0.056	0.034	0.034	0.049	---	---	0.095	1923
1924	---	---	0.039	0.360	0.054	0.057	0.009	0.009	0.015	0.037	---	---	0.072	1924
1925	---	---	0.081	1.40	0.079	0.042	0.023	0.025	0.055	0.063	---	---	0.217	1925
1926	---	---	0.578	0.208	0.071	0.030	0.017	0.007	0.060	0.049	---	---	0.128	1926
1927	---	---	0.075	2.45	1.08	0.161	0.049	0.045	0.059	0.077	---	---	0.495	1927
1928	---	---	0.449	0.371	0.175	0.281	0.098	0.042	0.052	0.078	---	---	0.193	1928
1939	---	---	0.172	0.205	0.090	0.134	0.013	0.001	0.010	0.031	---	---	0.082	1939
1940	---	---	0.014	1.28	0.225	0.064	0.026	0.015	0.004	0.021	---	---	0.203	1940
1941	---	---	0.519	0.186	0.041	0.046	0.026	0.003	0.007	0.002	---	---	0.104	1941
1942	---	---	0.054	0.671	0.081	0.297	0.068	0.014	0.023	0.024	---	---	0.152	1942
1943	---	---	0.429	0.665	0.077	0.054	0.018	0.003	0.004	0.030	---	---	0.159	1943
1944	---	---	0.144	0.730	0.078	0.035	0.026	0.017	0.013	0.032	---	---	0.133	1944
1945	---	---	0.368	0.084	0.052	0.031	0.010	0.002	0.010	0.033	---	---	0.074	1945
MEAN	---	---	0.208	0.919	0.274	0.146	0.054	0.026	0.043	0.062	---	---	0.198	MEAN

LOCATION - LAT 49 29 00 N LONG 109 23 00 W DRAINAGE AREA, 88.1 km² NATURAL FLOW

SUCKER CREEK AT GILCHRIST'S RANCH NEAR VIDORA - STATION NO. 11AC008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	17.1 ON APR 19	9.17 ON APR 20	0.001 ON SEP 17	8 050	1920
1921	---	6.94 ON APR 14	0.003E ON AUG 30	4 270	1921
1922	61.7 AT 02:00 MST ON APR 23 *	22.4 ON APR 23 *	0.008 ON AUG 11	9 970	1922
1923	1.34 AT 01:00 MST ON APR 18	1.13 ON APR 18	0.020 ON AUG 31	2 020	1923
1924	18.2 B AT 05:00 MST ON APR 07	4.56B ON APR 07	0 ON JUL 11 *	1 520	1924
1925	27.5 AT 19:30 MST ON APR 04	9.03 ON APR 05	0.011 ON JUL 18	4 600	1925
1926	2.83 AT 06:00 MST ON APR 11	1.98B ON MAR 18	0.003 ON JUL 31	2 710	1926
1927	26.3 AT 00:30 MST ON APR 26	17.0 ON APR 25	0.003 ON AUG 05	10 500	1927
1928	5.44B AT 20:20 MST ON MAR 21	3.23B ON MAR 21	0.011 ON AUG 11	4 080	1928
1939	---	1.02B ON MAR 25	0 ON JUL 09	1 730	1939
1940	17.1 AT 18:30 MST ON APR 21	13.6 ON APR 21	0 ON AUG 31	4 290	1940
1941	2.75B AT 04:00 MST ON MAR 22	1.95B ON MAR 22	0 ON JUL 16	2 200	1941
1942	4.84 AT 01:00 MST ON JUN 29	2.69 ON JUN 29	0 ON AUG 06	1 220	1942
1943	4.39B AT 21:00 MST ON MAR 29	3.28 ON APR 03	0 ON AUG 31	3 360	1943
1944	4.47B AT 22:30 MST ON MAR 31	3.62B ON APR 01	0.003 ON JUL 17	2 810	1944
1945	3.65B AT 19:00 MST ON MAR 23	2.44B ON MAR 24	0 ON JUL 23	1 570	1945
				4 180	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWAN RIVER NEAR NORQUAY - STATION NO. 05LE008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0.605	7.83	12.6	28.5	4.32	1.93	3.01	3.57	---	---	---	1965
1966	---	---	0.439	11.5	12.4	13.0	12.4	4.76	3.03	4.54	---	---	---	1966
1967	---	---	0.530	7.29	24.6	6.17	0.943	0.509	0.518	2.61	---	---	---	1967
1968	---	---	0.811	2.21	1.01	2.41	1.79	6.75	4.43	1.94	---	---	---	1968
1969	---	---	0.535	8.91	2.19	0.896	1.06	0.630	0.934	4.23	---	---	---	1969
1970	---	---	0.381	6.33	17.1	7.78	12.9	2.77	0.940	4.00	---	---	---	1970
1971	---	---	0.673	31.1	8.25	2.02	1.41	0.874	0.474	2.52	---	---	---	1971
1972	---	---	0.585	15.2	44.3	3.23	2.02	0.513	0.502	0.494	---	---	---	1972
1973	---	---	0.853	3.56	4.05	12.5	8.51	1.31	1.05	0.916	0.781	0.824	---	1973
1974	0.571	0.516	0.524	13.8	31.6	10.3	1.08	0.748	2.50	3.24	1.33	0.870	5.61	1974
1975	0.645	0.493	0.394	8.71	14.7	10.3	2.23	1.09	4.11	5.79	3.17	1.04	4.40	1975
1976	0.498	0.796	0.819	17.1	4.54	20.5	11.0	0.982	0.253	0.561	0.423	0.467	4.63	1976
1977	0.421	0.555	0.601	6.37	3.63	2.27	1.42	2.91	6.98	5.06	5.05	1.52	2.98	1977
1978	0.768	0.573	0.638	10.0	10.1	2.47	2.09	0.513	1.95	3.58	2.46	1.09	3.05	1978
1979	0.634	0.543	0.584	11.0	28.5	19.6	1.86	0.423	0.575	0.832	0.643	0.474	5.49	1979
1980	0.426	0.389	0.394	6.89	1.20	0.703	1.11	2.60	2.89	3.81	1.71	0.771	1.90	1980
1981	0.445	0.408	1.28	9.29	4.54	1.94	2.35	1.52	0.495	6.96	4.57	0.843	2.89	1981
1982	0.556	0.331	0.325	6.01	3.90	2.12	5.86	2.08	1.00	2.22	0.836	0.602	2.17	1982
1983	0.550	0.466	0.511	10.1	17.0	6.16	14.5	2.67	2.18	2.65	2.25	1.41	5.42	1983
1984	0.573	0.638	1.19	23.8	28.1	20.6	2.08	0.366	0.726	1.23	1.14	0.746	6.75	1984
1985	0.590	0.496	0.758	17.4	8.13	4.73	2.00	3.63	2.64	4.00	1.14	0.630	3.85	1985
1986	0.510	0.366	0.716	22.4	14.2	6.44	3.66	1.61	1.10	1.23	0.802	0.760	4.48	1986
1987	0.647	0.694	1.19	16.0	3.22	2.13	5.07	1.81	0.940	3.40	2.53	0.725	3.19	1987
1988	0.342	0.324	0.570	20.4	33.2	2.41	0.476	0.462	0.356	0.489	0.456	0.392	5.01	1988
1989	0.331	0.222	0.348	2.38	2.25	2.05	1.02	0.405	2.31	1.16	1.79	0.787	1.25	1989
1990	0.598	0.490	0.599	13.4	13.1	3.74	4.35	0.747	0.205	0.385	0.449	0.342	3.21	1990
MEAN	0.536	0.488	0.648	11.9	13.3	7.46	4.13	1.72	1.77	2.58	1.75	0.794	3.88	MEAN

LOCATION - LAT 51 59 52 N
LONG 102 04 26 W

DRAINAGE AREA, 1 920 km²
NATURAL FLOW

SWAN RIVER NEAR NORQUAY - STATION NO. 05LE008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	142 ON MAY 04 *	140 ON MAY 04 *	0.091 ON SEP 02	---	1972
1973	---	19.3 ON JUL 06	---	---	1973
1974	---	47.3 B ON APR 21	0.360 ON AUG 12	177 000	1974
1975	45.3 B AT 03:00 CST ON APR 23	30.3 ON APR 29	0.379B ON MAR 14	139 000	1975
1976	47.3 AT 03:42 CST ON JUN 29	46.7 ON JUN 29	0.110 ON SEP 08	146 000	1976
1977	16.9 B AT 06:39 CST ON APR 14	15.6 B ON APR 13	0.366B ON JAN 01	94 000	1977
1978	27.7 AT 16:51 CST ON MAY 03	27.7 ON MAY 03	0.227 ON AUG 17	96 000	1978
1979	42.2 AT 10:12 CST ON JUN 11	41.9 ON JUN 11	0.256 ON AUG 28	173 000	1979
1980	26.7 B AT 02:37 CST ON APR 15	20.8 B ON APR 14	0.225 ON AUG 03	60 200	1980
1981	14.0 AT 03:00 CST ON OCT 20	13.8 ON OCT 20	0.014 ON SEP 12 *	91 300	1981
1982	21.6 AT 12:49 CST ON JUL 22	21.4 ON JUL 22	0.248B ON MAR 08	68 300	1982
1983	60.7 AT 04:12 CST ON APR 25	55.6 ON APR 25	0.319B ON FEB 20	158 000	1983
1984	45.0 A ON MAY 23	44.9 E ON MAY 23	0.206 ON SEP 06	213 000	1984
1985	36.6 B AT 01:35 CST ON APR 16	35.3 B ON APR 15	0.332B ON FEB 13	121 000	1985
1986	44.7 B AT 20:46 CST ON APR 07	41.3 B ON APR 07	0.235B ON FEB 17	141 000	1986
1987	59.7 B AT 14:33 CST ON APR 07	51.1 B ON APR 07	0.470B ON DEC 31	101 000	1987
1988	129 AT 00:22 CST ON MAY 05	122 ON MAY 05	0.097B ON FEB 08	159 000	1988
1989	5.65 AT 16:16 CST ON APR 26	5.29 ON APR 26	0.145B ON FEB 20	39 500	1989
1990	36.6 AT 05:14 CST ON APR 27	36.3 ON APR 27	0.094 ON SEP 20	101 000	1990
				122 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWEETWATER CREEK NEAR STAR CITY - STATION NO. 05KB012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	2.40	---	---	---	---	---	---	---	---	---	1974
MEAN	---	---	0	2.40	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 52 50 30 N
LONG 104 22 19 W

SWEETWATER CREEK NEAR STAR CITY - STATION NO. 05KB012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	11.3 ON APR	---	---	---	1972
1974	26.4 AT 22:36 CST ON APR 19 *	---	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SWIFT CURRENT CANAL AT SWIFT CURRENT - STATION NO. 05HD034

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	---	---	---	0.195	0.313	0.051	0.564	0.508	---	---	---	1946
1947	---	---	---	---	0.009	0.055	0.151	0.066	1.04	1.11	---	---	---	1947
1951	---	---	---	---	0.014	0.253	0.788	0.602	0.031	0.020	---	---	---	1951
1952	---	---	---	---	---	0.255	0.394	0.207	0.145	0.067	---	---	---	1952
1953	---	---	0.008	0	0.076	0.049	0.265	0.403	0.037	0.296	---	---	0.143	1953
1954	---	---	0	0	0.087	0.039	0.403	0.233	0.009	0	---	---	0.097	1954
1955	---	---	---	---	0	0.373	0.232	0.215	0.018	0.296	0	---	---	1955
1956	---	---	0	0	0.006	0.466	0.336	0.293	0.008	0.024	---	---	0.142	1956
1957	---	---	0.016	0.001	0.179	0.535	1.19	0.719	0.139	0.203	---	---	0.375	1957
1958	---	---	0.080	2.08	0.441	0.475	0.508	0.617	0.581	0	---	---	0.592	1958
1959	---	---	0.308	2.85	2.51	1.27	0.174	0.629	0.027	0.144	---	---	0.984	1959
1960	---	---	0.059	0.017	0.032	0.541	0.358	0.283	0.190	0.348	---	---	0.228	1960
1961	---	---	0.708	1.41	0.437	0.485	1.11	0.906	1.78	0.883	---	---	1.21	1961
1962	---	---	0.031	2.07	0.301	0.441	0.444	0.083	0	0	---	---	0.416	1962
1963	---	---	0.318	2.52	0.156	0.447	0.193	0.416	0.164	0.154	---	---	0.540	1963
1964	---	---	0.001	1.72	3.14	0.710	1.17	1.99	0.806	0	---	---	1.19	1964
1965	---	---	0	0.003	0.067	0.547	0.060	0.405	0	0	---	---	0.135	1965
1966	---	---	0.003	0	0.025	0.680	0.210	0.520	0.013	0.082	---	---	0.191	1966
1967	---	---	0	0	0	0.942	0.384	1.39	0.004	0	---	---	0.341	1967
1968	---	---	0.394	2.91	0.143	0.736	1.07	0.351	0	0	---	---	0.695	1968
1969	---	---	0	0	0.093	0.982	0.219	0.644	0.005	0.344	0.773	---	0.285	1969
1970	---	---	0	0	0.005	0.710	0.218	0.994	0	0	---	---	0.241	1970
1971	---	---	0	0.001	0.574	0.353	0.557	0.474	0	0	---	---	0.246	1971
1972	---	---	0	2.96	2.72	0	0.902	0.054	0.001	0	---	---	0.838	1972
1973	---	---	0	2.09	2.66	0.271	0.972	0.011	0.031	0	---	---	0.754	1973
1974	---	---	0	0.001	0.011	0.504	0.500	0.389	0.050	0	---	---	0.182	1974
1975	---	---	0	0	0.011	0.653	0.942	0.155	0.015	0	---	---	0.222	1975
1976	---	---	0	0.005	1.01	0.113	0.530	0.622	0.115	0.084	---	---	0.312	1976
1977	---	---	0.037	2.92	2.45	0.108	0.883	0.502	0.061	0.009	---	---	0.869	1977
1978	---	---	0	1.65	2.30	0.397	1.58	0	0	0	---	---	0.740	1978
1979	---	---	0	0.982	2.14	0.918	1.02	0.252	0.073	0.011	---	---	0.676	1979
1980	---	---	0.062	2.02	2.26	0.354	2.36	0.532	0.137	0	---	---	0.967	1980
1981	---	---	1.02	2.64	2.52	0.520	1.17	0.307	0.123	0.028	---	---	0.965	1981
1982	---	---	0	0.002	0.751	0.537	0.363	0.702	0.118	0.072	---	---	0.319	1982
1983	---	---	0.076	0.237	0.522	1.14	1.36	0.212	0.173	0.002	---	---	0.464	1983
1984	---	---	0.173	3.11	3.67	0.180	1.90	0.234	0.088	0	---	---	1.17	1984
1985	---	---	0.892	0.364	2.02	0.503	2.99	0.107	0.073	0	---	---	0.876	1985
1986	---	0.153	0.877	0.016	1.36	1.15	2.05	0.208	0.159	0	---	---	0.731	1986
1987	---	---	0.988	0.290	3.82	1.23	2.67	0.230	0.109	0	---	---	1.18	1987
1988	---	0.077	0.948	3.29	2.07	0.077	0.057	0	0	0	---	---	0.802	1988
1989	---	---	0.283	0.839	1.32	0.641	1.35	0.172	0.004	0	---	---	0.576	1989
1990	---	0.031	1.33	0.142	0.645	1.41	1.08	0.352	0.056	0	---	---	0.628	1990
MEAN	---	0.087	0.233	1.11	1.06	0.523	0.845	0.417	0.165	0.112	0.387	---	0.576	MEAN

LOCATION - LAT 50 16 03 N
LONG 107 46 43 W REGULATED

SWIFT CURRENT CANAL AT SWIFT CURRENT - STATION NO. 05HD034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	1.17 ON SEP 28	0 ON JUN 26 *	---	1946
1947	---	1.61 ON SEP 12	0 ON MAY 01	---	1947
1951	---	1.33 ON JUL 26	0 ON MAY 01	---	1951
1952	---	0.767 ON JUN 29	0 ON JUN 01	---	1952
1953	---	1.15 ON JUL 29	0B ON MAR 01	3 030	1953
1954	---	0.776 ON AUG 03	0B ON MAR 01	2 060	1954
1955	---	0.765 ON JUN 16	0 ON MAY 01	---	1955
1956	---	0.881 ON JUL 27	0 ON MAR 01	3 000	1956
1957	---	2.12 ON JUL 21	0B ON MAR 01	7 940	1957
1958	---	2.86 ON APR 09	0 ON MAY 05	12 500	1958
1959	---	3.45 ON MAY 06	0B ON MAR 01	20 800	1959
1960	---	1.10 ON AUG 03	0B ON MAR 01	4 840	1960
1961	---	3.71 ON APR 27	0B ON MAR 01	25 600	1961
1962	---	4.30 ON APR 30	0B ON MAR 01	8 800	1962
1963	---	3.99 ON APR 12	0B ON MAR 01	11 400	1963
1964	---	3.37 ON MAY 04	0B ON MAR 01	25 300	1964
1965	---	1.01 ON JUN 10	0B ON MAR 01	2 850	1965
1966	---	1.72 ON AUG 07	0B ON MAR 01	4 040	1966
1967	---	2.13 ON JUN 11	0B ON MAR 01	7 210	1967
1968	---	4.76 ON APR 21	0 ON MAR 01	14 700	1968
1969	---	3.23 ON OCT 28	0B ON MAR 01	6 040	1969
1970	---	2.12 ON JUN 06	0 ON MAR 01	5 100	1970
1971	---	1.78 ON MAY 31	0B ON MAR 01	5 210	1971
1972	---	3.45 ON APR 07	0B ON MAR 01	17 700	1972
1973	---	3.26 ON APR 10	0B ON MAR 01	16 000	1973
1974	---	1.68 ON JUL 31	0 ON MAR 01	3 850	1974
1975	---	1.73 ON JUL 29	0 ON MAR 01	4 700	1975
1976	---	1.96 ON JUL 26	0 ON MAR 01	6 610	1976
1977	---	3.51 ON MAY 02	0B ON MAR 01	18 400	1977
1978	---	3.40 ON APR 19	0B ON MAR 01	15 700	1978
1979	---	3.13 ON MAY 13	0B ON MAR 01	14 300	1979
1980	---	2.92 ON JUL 14	0B ON MAR 01	20 500	1980
1981	---	2.74 ON APR 07	0 ON MAR 01	20 400	1981
1982	---	2.25 ON MAY 23	0 ON MAR 01	6 760	1982
1983	---	2.29 ON MAY 27	0B ON MAR 01	9 820	1983
1984	---	4.55 ON APR 17	0 ON MAR 01	24 800	1984
1985	---	5.17 ON JUL 19 *	0B ON MAR 01	18 500	1985
1986	---	3.62 ON MAY 23	0 ON APR 03	15 500	1986
1987	---	4.78 ON JUN 01	0B ON MAR 01	24 900	1987
1988	---	4.18 ON APR 18	0 ON JUL 14	17 000	1988
1989	---	3.07 B ON APR 04	0B ON MAR 01	12 200	1989
1990	---	3.76 B ON MAR 07	0 ON APR 24	13 300	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 200	MEAN

SWIFT CURRENT CREEK ABOVE DUNCAIRN RESERVOIR - STATION NO. 05HD031

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.926	5.35	0.790	0.502	0.334	0.065	0.068	0.212	---	---	1.02	1944
1945	---	---	7.53	1.32	0.866	0.523	0.128	0.010	0.009	0.306	---	---	1.34	1945
1946	---	---	8.65	1.62	0.515	0.214	0.059	0.010	0.073	0.370	---	---	1.45	1946
1947	---	---	5.92	6.86	1.40	0.723	0.127	0.035	0.068	0.206	---	---	1.91	1947
1948	---	---	2.29	6.30	1.48	0.436	0.154	0.029	0.002	0.035	---	---	1.33	1948
1949	---	---	1.24	3.11	0.324	0.126	0.226	0.362	0.003	0.089	---	---	0.680	1949
1950	---	---	0.574	19.4	1.72	0.526	0.195	0.177	0.261	0.347	---	---	2.85	1950
1951	---	---	0.346	24.3	5.77	1.13	0.412	0.311	1.10	1.35	---	---	4.29	1951
1952	---	---	0.879	57.5	2.09	0.250	0.540	0.179	0.294	0.376	---	---	7.63	1952
1953	---	---	9.93	5.13	2.38	3.22	0.291	0.101	0.070	0.185	---	---	2.66	1953
1954	---	---	0.683	12.4	1.38	1.05	0.530	0.412	0.930	0.630	---	---	2.22	1954
MEAN	---	---	3.54	13.0	1.70	0.791	0.272	0.154	0.262	0.373	---	---	2.49	MEAN

LOCATION - LAT 49 57 30 N DRAINAGE AREA, 1 920 km^2
LONG 108 11 00 W NATURAL FLOW

SWIFT CURRENT CREEK ABOVE DUNCAIRN RESERVOIR - STATION NO. 05HD031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	22.7 B ON APR 04	0 B ON MAR 01 *	21 600	1944
1945	---	20.4 B ON MAR 13	0 ON AUG 23	28 500	1945
1946	---	14.4 B ON MAR 14	0 ON AUG 04	30 700	1946
1947	---	20.0 B ON MAR 22	0.014 ON SEP 12	40 400	1947
1948	---	22.1 ON APR 19	0 B ON MAR 01	28 200	1948
1949	---	8.38 ON APR 05	0 ON SEP 10	14 400	1949
1950	---	68.5 ON APR 16	0 B ON MAR 01	60 400	1950
1951	---	64.0 ON APR 06	0 B ON MAR 01	90 700	1951
1952	---	174 ON APR 16 *	0.085 ON AUG 14	161 000	1952
1953	---	52.4 B ON MAR 29	0.003 ON SEP 22	56 400	1953
1954	---	51.0 B ON APR 09	0.093 ON JUL 29	47 100	1954
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		52 700	MEAN

SWIFT CURRENT CREEK AT POLLOCK'S RANCH - STATION NO. 05HD001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	0.100	0.092	0.020	0.009	0.013	---	---	---	1909
1910	---	---	---	0.065	0.018	0.026	0.024	0.021	0.032	0.040	---	---	0.032	1910
1911	---	---	---	---	---	0.037	0.026	0.025	0.040	0.052	---	---	---	1911
1912	---	---	---	---	0.108	0.046	0.021	0.033	0.038	0.044	---	---	---	1912
1913	---	---	---	---	0.052	0.036	0.028	0.037	0.032	0.042	---	---	---	1913
1914	---	---	---	0.087	0.045	0.026	0.017	0.035	0.040	0.050	---	---	0.043	1914
1915	---	---	---	0.107	0.068	0.053	0.039	0.043	0.040	0.041	---	---	0.056	1915
1916	---	---	---	0.277	0.089	0.115	0.066	0.041	0.039	0.044	---	---	0.095	1916
MEAN	---	---	---	0.134	0.063	0.055	0.039	0.032	0.034	0.041	---	---	0.057	MEAN

LOCATION - LAT 49 34 20 N DRAINAGE AREA, 57.2 km²
LONG 108 46 20 W NATURAL FLOW

SWIFT CURRENT CREEK AT POLLOCK'S RANCH - STATION NO. 05HD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0.278 ON JUL 23	0.004 ON JUN 27 *	593	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	0.159 ON OCT 08	0.011 ON JUL 11	791	1914
1915	---	0.289 ON JUN 19	0.016 ON JUL 08	1 030	1915
1916	---	1.56 ON JUN 17 *	0.031 ON AUG 22	1 760	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 040	MEAN

SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (LOWER STATION) - STATION NO. 05HD005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0.405	0.204	0.203	0.361	0.390	---	---	---	1910
1911	---	---	---	---	---	0.618	0.480	0.346	0.850	0.726	---	---	---	1911
1912	---	---	---	---	---	1.12	0.478	0.290	0.427	0.669	---	---	---	1912
1913	---	---	---	---	0.870	0.620	0.332	0.146	0.226	0.370	---	---	---	1913
1914	---	---	---	2.90	0.631	0.526	0.083	0.031	0.399	0.940	---	---	---	1914
1915	---	---	---	2.35	1.49	1.82	1.24	0.266	0.445	0.787	---	---	---	1915
1916	---	---	---	3.78	1.74	2.13	0.977	0.499	0.500	0.868	---	---	---	1916
1917	---	---	---	---	4.57	1.02	0.356	0.124	0.391	---	---	---	---	1917
1918	---	---	---	3.92	0.778	0.396	0.187	0.248	0.377	0.451	---	---	---	1918
1919	---	---	---	3.04	0.822	0.242	0.071	0.062	0.202	0.308	---	---	---	1919
1920	---	---	3.03	5.77	2.10	0.889	0.370	0.095	0.165	0.363	---	---	1.59	1920
1921	---	---	1.29	1.70	1.41	0.424	0.283	0.126	0.350	0.449	---	---	0.999	1921
1922	---	---	0.253	9.98	6.56	0.569	0.476	0.331	0.223	0.202	---	---	1.80	1922
1923	---	---	0.793	3.04	0.736	0.752	0.570	0.288	0.200	0.312	---	---	0.831	1923
1924	---	---	0.095	2.45	0.651	0.681	0.468	0.339	0.133	0.374	---	---	0.644	1924
1925	---	---	4.79	6.41	0.767	0.757	0.133	0.109	0.216	0.535	---	---	1.71	1925
1926	---	---	4.97	1.27	0.472	0.388	0.145	0.108	0.248	0.335	---	---	0.996	1926
1927	---	---	1.14	9.94	5.78	1.89	2.06	0.460	0.536	0.775	---	---	2.81	1927
1935	---	---	---	---	---	---	---	---	---	0.230	---	---	---	1935
1936	---	---	1.73	8.28	1.14	0.673	---	---	---	---	---	---	---	1936
MEAN	---	---	2.01	4.77	1.66	0.838	0.495	0.226	0.347	0.505	---	---	1.42	MEAN

LOCATION - LAT 49 49 02 N DRAINAGE AREA, 815 km²
LONG 108 33 13 W NATURAL FLOW

SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (LOWER STATION) - STATION NO. 05HD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON AUG 20 *	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	11.3 B ON APR 03	---	---	1919
1920	---	14.9 B ON APR 14	0.028B ON MAR 01	33 600	1920
1921	---	10.8 ON APR 14	0.099 ON SEP 03	21 100	1921
1922	---	24.4 ON APR 22 *	0 B ON MAR 01	38 200	1922
1923	---	8.6ᴱE ON APR 15	0.161 ON SEP 03	17 600	1923
1924	---	11.6 B ON APR 08	0.031B ON MAR 07	13 600	1924
1925	---	21.8 B ON MAR 25	0.048 ON AUG 23	36 100	1925
1926	---	17.0 ON MAR 19	0.062 ON JUL 25	21 100	1926
1927	---	19.3 ON APR 06	0.085B ON MAR 01	59 400	1927
1935	---	---	---	---	1935
1936	---	---	---	---	1936
				30 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (UPPER STATION) - STATION NO. 05HD004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.028	0.010	0.049	0.052	---	---	---	1910
1911	---	---	---	---	---	0.155	0.103	0.041	0.363	0.148	---	---	---	1911
1912	---	---	---	---	---	---	0.113	0.092	0.097	0.125	---	---	---	1912
1913	---	---	---	---	0.317	0.230	0.080	0.027	0.026	0.096	---	---	---	1913
1914	---	---	---	1.23	0.163	0.125	0.016	0.012	0.151	0.257	---	---	0.277	1914
1915	---	---	---	---	0.697	0.650	0.407	0.063	0.087	0.099	---	---	---	1915
1916	---	---	---	1.27	0.813	0.785	0.378	0.168	0.161	0.340	---	---	0.557	1916
MEAN	---	---	---	1.25	0.498	0.389	0.161	0.059	0.133	0.160	---	---	0.417	MEAN

LOCATION - LAT 49 48 56 N DRAINAGE AREA, 372 km^2
LONG 108 33 14 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (UPPER STATION) - STATION NO. 05HD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 31 *	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	2.94 ON APR 06 *	0 ON JUL 30	5 120	1914
1915	---	---	---	---	1915
1916	---	2.83 ON MAY 27	0.093 ON JUL 19	10 300	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 710	MEAN

SWIFT CURRENT CREEK AT SWIFT CURRENT - STATION NO. 05HD007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	1.06	0.607	0.424	0.242	0.516	0.411	---	---	---	1910
1911	---	---	---	12.1	2.16	1.13	0.789	0.472	1.39	0.904	---	---	---	1911
1912	---	---	---	---	3.86	2.58	0.757	0.690	0.839	1.21	0.922	0.323	---	1912
1913	---	---	---	---	1.57	1.28	0.968	0.297	0.134	0.534	---	---	---	1913
1926	0.113	0.387	19.4	2.25	1.18	0.719	0.287	0.134	0.413	0.898	0.628	0.165	3.18	1926
1927	0.074	0.007	1.66	20.1	9.42	4.62	4.31	0.815	0.657	0.997	0.517	0.251	5.28	1927
1928	5.65	2.15	9.96	3.50	1.58	2.10	1.84	0.515	0.365	0.715	0.607	0.348	2.58	1928
1929	0.222	0.074	3.57	4.70	1.98	1.36	0.436	0.044	0.108	0.429	0.414	0.151	1.57	1929
1930	0.046	6.53	4.28	6.87	1.53	0.976	0.536	0.052	0.545	0.939	1.03	0.617	1.96	1930
1931	0.458	0.625	0.933	---	---	---	---	---	---	---	---	---	---	1931
1933	---	---	---	2.82	1.52	0.663	0.854	0.167	0.652	0.502	---	---	---	1933
1934	---	---	---	2.97	0.823	1.03	0.144	0.006	0.033	0.483	---	---	---	1934
1935	---	---	---	6.64	1.73	0.928	0.945	0.224	0.060	0.175	---	---	---	1935
1936	---	---	7.28	14.5	1.91	0.485	0.040	0	0	0.110	---	---	3.02	1936
1937	---	---	0.756	4.16	0.818	0.304	0.052	0	0	0	---	---	0.753	1937
1938	---	---	9.81	7.21	2.20	0.802	0.282	0.099	0.046	0.158	---	---	2.57	1938
1939	---	---	12.8	2.23	1.65	5.73	0.981	0.203	0.160	0.135	---	---	2.99	1939
1940	---	---	4.11	18.5	1.56	0.879	0.078	0.083	0.032	0.153	---	---	3.13	1940
1944	---	---	---	---	0.785	0.657	0.535	1.11	0.595	0.820	---	---	---	1944
1945	---	---	---	1.16	0.780	0.704	1.21	1.13	0.442	0.493	---	---	---	1945
1946	---	---	---	---	---	1.36	1.33	1.07	0.934	0.718	---	---	---	1946
1947	---	---	2.73	10.3	2.11	1.35	1.22	0.056	0.891	0.567	---	---	2.38	1947
1948	---	---	1.75	4.48	1.19	1.67	1.41	0.784	0.915	1.16	---	---	1.66	1948
1949	---	---	2.22	1.37	0.472	0.389	0.476	0.269	0.529	0.283	---	---	0.750	1949
1950	---	---	0.758	12.4	1.81	1.62	2.17	1.77	1.46	0.849	---	---	2.83	1950
1951	---	---	0.946	22.9	10.7	4.76	1.76	1.18	1.41	1.83	---	---	5.39	1951
1952	---	---	1.41	64.4	10.8	5.60	2.17	2.54	2.58	6.99	---	---	11.9	1952
1953	---	---	7.71	9.15	2.11	3.82	1.51	1.10	0.988	0.204	---	---	3.31	1953
1954	---	---	0.577	4.05	1.06	0.879	0.872	0.656	0.700	0.635	---	---	1.17	1954
1955	---	---	2.84	40.9	2.79	1.72	9.82	1.78	1.74	1.06	---	---	7.74	1955
1956	---	---	4.60	4.59	1.21	0.919	0.917	1.10	0.465	0.698	---	---	1.81	1956
1957	---	---	5.35	4.38	0.708	0.871	0.368	0.459	0.359	0.655	---	---	1.64	1957
1958	---	---	4.67	14.9	1.15	0.580	0.516	1.15	0.746	0.960	---	---	3.06	1958
1959	---	---	2.04	0.875	0.479	0.595	0.376	0.182	0.306	0.264	---	---	0.640	1959
1960	---	---	17.6	1.51	0.423	0.272	0.622	1.60	0.643	0.713	---	---	2.95	1960
1961	---	---	2.43	0.813	0.721	0.686	0.594	0.809	0.495	0.566	---	---	0.892	1961
1962	---	---	1.96	2.13	0.503	0.427	0.293	0.436	0.193	0.157	---	---	0.761	1962
1963	---	---	3.22	1.14	0.602	0.885	1.70	0.669	0.234	0.269	---	---	1.09	1963
1964	---	---	1.42	0.827	0.521	0.913	0.612	0.408	0.483	0.152	---	---	0.666	1964
1965	---	---	0.431	18.6	5.03	0.644	1.17	0.975	0.894	1.60	---	---	3.64	1965
1966	---	---	18.9	4.67	1.74	1.08	0.664	0.520	0.842	1.38	---	---	3.74	1966
1967	---	---	2.26	31.9	9.09	1.01	0.376	0.428	0.699	0.721	---	---	5.74	1967
1968	---	---	1.52	1.41	2.04	1.08	0.719	0.989	0.899	1.17	---	---	1.23	1968
1969	---	---	1.01	9.02	0.819	0.741	1.45	1.35	1.95	1.25	---	---	2.18	1969
1970	---	---	4.37	18.6	1.81	2.08	1.86	0.989	1.81	1.40	---	---	4.08	1970
1971	---	---	2.60	16.2	1.53	2.14	2.24	1.40	1.68	1.93	---	---	3.68	1971
1972	---	---	1.62	2.61	0.658	0.359	0.395	0.395	0.404	0.558	---	---	0.872	1972
1973	---	---	1.09	0.548	0.246	0.432	0.589	0.384	0.333	0.191	---	---	0.478	1973
1974	---	---	0.544	6.19	0.956	0.686	0.668	1.04	0.932	1.17	---	---	1.51	1974
MEAN	1.09	1.63	4.44	9.78	2.16	1.36	1.13	0.683	0.698	0.837	0.686	0.309	2.76	MEAN

LOCATION - LAT 50 16 50 N DRAINAGE AREA 3 280 km²
LONG 107 46 40 W REGULATED SINCE 1942

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930 AND 1968

SWIFT CURRENT CREEK AT SWIFT CURRENT - STATION NO. 05HD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 31 *	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1926	---	122 B ON MAR 27	0.003E ON AUG 01	67 300	1926
1927	---	54.7 B ON APR 02	0.011B ON MAR 01	112 000	1927
1928	---	33.4 B ON MAR 20	0.113 ON AUG 22	54 600	1928
1929	---	10.7 B ON MAR 20	0.017 ON AUG 21	33 300	1929
1930	---	18.9 ON APR 06	0.001 ON AUG 12	41 400	1930
1931	---	---	---	---	1931
1933	---	---	0 ON AUG 20	---	1933
1934	---	---	0 ON AUG 03	---	1934
1935	---	---	---	---	1935
1936	---	53.8 ON APR 11	0 B ON MAR 01	63 800	1936
1937	---	15.0 B ON APR 13	0 B ON MAR 01	15 900	1937
1938	---	48.4 B ON MAR 19	0.006 ON SEP 03	54 500	1938
1939	---	82.1 B ON MAR 23	0 B ON MAR 01	63 300	1939
1940	---	127 ON APR 15	0.003 ON SEP 04	66 300	1940
1944	---	---	0 ON OCT 14	---	1944
1945	---	---	0 ON JUN 06	---	1945
1946	---	---	---	---	1946
1947	---	27.2 ON APR 11	0 ON AUG 07	50 300	1947
1948	---	32.6 B ON APR 17	0.057 ON JUL 09	35 100	1948
1949	---	3.43 ON APR 06	0.014 ON OCT 01	15 900	1949
1950	---	32.3 ON APR 16	0.227B ON MAR 07	59 800	1950
1951	---	61.2 ON APR 12	0.510B ON MAR 01	114 000	1951
1952	---	167 ON APR 12 *	0.020 ON JUL 02	252 000	1952
1953	---	56.4 B ON MAR 29	0.003 ON OCT 23	70 000	1953
1954	---	20.0 B ON APR 06	0.368B ON APR 03	24 800	1954
1955	---	68.0 ON APR 08	0.283B ON MAR 01	164 000	1955
1956	---	28.6 B ON MAR 26	0.235 ON SEP 18	38 300	1956
1957	---	35.4 B ON MAR 21	0 ON AUG 31	34 700	1957
1958	75.9 AT 12:45 MST ON APR 02 *	67.7 ON APR 02	0.057 ON APR 20	64 800	1958
1959	---	5.78B ON MAR 09	0.025 ON AUG 05	13 500	1959
1960	---	77.0 ON MAR 26	0.014 ON JUN 08	62 500	1960
1961	13.6B AT 15:00 MST ON MAR 14	12.6 B ON MAR 14	0.176 ON OCT 16	18 900	1961
1962	---	11.2 B ON MAR 27	0.065 ON AUG 16	16 100	1962
1963	---	31.1 B ON MAR 23	0.054B ON MAR 01	23 200	1963
1964	* ---	7.76 ON JUN 14	0.048 ON JUN 28	14 100	1964
1965	---	54.7 B ON APR 10	0.133 ON SEP 28	77 000	1965
1966	---	47.6 B ON MAR 23	0.150 ON AUG 04	79 300	1966
1967	---	86.9 ON APR 14	0.221 ON JUL 15	122 000	1967
1968	---	5.69B ON MAR 01	0.028B ON MAR 21	26 000	1968
1969	---	47.9 B ON APR 06	0.127 ON MAY 21	46 100	1969
1970	---	37.1 ON APR 07	0.399 ON AUG 15	86 300	1970
1971	49.3 ON APR 07	49.3 ON APR 07	0.425B ON MAR 01	77 900	1971
1972	---	6.65B ON APR 04	0.040 ON JUN 08	18 500	1972
1973	---	2.33 ON APR 28	0.004 ON APR 06	10 100	1973
1974	---	24.8 B ON APR 10	0.125 ON JUL 18	32 000	1974
				58 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK BELOW PELLETIER CREEK - STATION NO. 05HD030

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	1.10	1.97	0.743	0.775	0.630	1.62	0.611	1.95	---	---	1.18	1944
1945	---	---	3.00	0.885	0.814	1.01	2.15	1.52	0.825	0.569	---	---	1.35	1945
1946	---	---	5.07	1.45	1.67	2.65	1.90	0.943	1.24	1.01	---	---	1.99	1946
1947	---	---	2.19	6.81	1.89	1.20	1.14	0.755	1.89	1.58	---	---	2.17	1947
1948	---	---	0.386	1.31	1.67	1.29	1.93	1.23	1.68	3.68	---	---	1.65	1948
1949	---	---	0.918	1.02	1.93	2.59	2.42	0.626	0.505	0.253	---	---	1.28	1949
1950	---	---	0.545	9.38	1.71	1.58	3.16	2.83	1.69	0.833	---	---	2.70	1950
1951	---	---	0.908	19.8	9.59	3.07	2.81	1.59	1.27	1.70	---	---	5.05	1951
1952	---	---	0.566	55.6	10.3	5.35	2.84	2.67	2.53	6.78	---	---	10.7	1952
1953	---	---	4.50	6.95	1.82	2.79	1.87	1.14	0.825	0.531	---	---	2.54	1953
1954	---	---	0.537	1.58	0.664	0.841	1.11	0.754	0.666	0.555	---	---	0.837	1954
1955	---	---	3.06	39.4	2.37	1.96	7.71	2.21	2.16	2.08	---	---	7.54	1955
1956	---	---	3.09	3.30	1.18	1.49	1.57	1.37	0.802	0.858	---	---	1.71	1956
1957	---	---	4.12	4.20	0.766	1.46	1.68	1.38	0.691	0.641	---	---	1.86	1957
1958	---	---	1.78	16.3	1.51	1.37	1.25	1.49	1.17	0.710	---	---	3.16	1958
1959	---	---	0.988	3.69	3.01	1.57	0.596	0.837	0.265	0.492	---	---	1.43	1959
1960	---	---	11.5	1.02	0.537	1.21	1.11	1.23	1.02	0.905	---	---	2.33	1960
1961	---	---	2.36	4.38	0.996	1.22	2.14	1.72	2.56	1.70	---	---	2.13	1961
1962	---	---	1.47	4.15	0.960	0.889	1.36	0.870	0.238	0.176	---	---	1.26	1962
1963	---	---	1.56	3.81	0.714	1.24	2.02	1.38	0.646	0.571	---	---	1.49	1963
1964	---	---	0.699	2.75	3.93	0.864	2.79	2.97	1.24	0.100	---	---	1.92	1964
1965	---	---	0.572	12.7	4.16	1.31	1.64	1.56	0.819	1.76	---	---	3.05	1965
1966	---	---	11.8	4.23	1.62	1.76	1.35	1.45	0.896	1.94	---	---	3.14	1966
1967	---	---	1.78	31.4	8.66	2.18	1.34	2.13	0.939	0.609	---	---	6.07	1967
1968	---	---	1.24	4.41	2.12	2.07	2.73	1.94	0.697	2.11	---	---	2.19	1968
1969	---	---	2.06	7.85	1.10	1.93	2.23	2.57	2.10	1.58	---	---	2.66	1969
1970	---	---	2.79	17.7	1.64	2.75	2.34	2.28	2.01	1.80	---	---	4.12	1970
1971	---	---	3.73	14.5	1.96	2.49	3.48	3.07	2.16	1.83	---	---	4.11	1971
1972	---	---	1.79	5.97	2.96	0.765	1.89	0.806	0.704	0.591	---	---	1.93	1972
1973	---	---	0.996	2.46	2.82	0.987	2.31	0.763	0.339	0.212	---	---	1.36	1973
1974	---	---	0.350	2.79	0.717	1.44	1.49	1.34	0.976	1.05	---	---	1.26	1974
MEAN	---	---	2.50	9.48	2.47	1.75	2.10	1.58	1.17	1.33	---	---	2.78	MEAN

LOCATION - LAT 50 09 53 N DRAINAGE AREA, 2 910 km²
LONG 107 53 47 W REGULATED SINCE 1942

SWIFT CURRENT CREEK BELOW PELLETIER CREEK - STATION NO. 05HD030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	9.91B ON APR 01	0.170B ON MAR 01	24 900	1944
1945	---	11.3 B ON MAR 12	0.170B ON MAR 01	28 600	1945
1946	12.6 ON MAR 13	12.4 ON MAR 13	0.362 ON OCT 29	42 200	1946
1947	19.6 B ON APR 10	12.1 B ON APR 10	0.425B ON MAR 01	45 900	1947
1948	6.14B ON APR 18	4.90 ON OCT 11	0.170B ON APR 05	34 900	1948
1949	---	3.11 ON MAY 30	0.178 ON AUG 29	27 100	1949
1950	43.3 B AT 09:00 CST ON APR 20	34.5 B ON APR 20	0.227B ON APR 01	57 100	1950
1951	---	69.1 B ON APR 10	0.850B ON MAR 01	107 000	1951
1952	165 AT 22:00 CST ON APR 11 *	142 ON APR 12 *	0.006 ON AUG 23	226 000	1952
1953	---	33.4 B ON MAR 28	0.025 ON JUL 23	53 800	1953
1954	---	5.95B ON APR 06	0.345 ON AUG 20	17 700	1954
1955	75.9 AT 19:30 CST ON APR 07	70.2 B ON APR 01	0.142B ON MAR 14	160 000	1955
1956	23.6 B AT 20:00 CST ON MAR 24	18.2 B ON MAR 24	0.396B ON MAR 01	36 100	1956
1957	---	20.8 B ON MAR 31	0.292 ON OCT 24	19 500	1957
1958	66.5 AT 16:00 CST ON APR 02	65.1 ON APR 02	0.227B ON MAR 15	67 000	1958
1959	---	6.23B ON APR 05	0.108 ON AUG 27	30 200	1959
1960	---	55.5 ON MAR 25	0.283B ON MAR 01	49 400	1960
1961	---	8.18B ON MAR 13	0.425B ON MAR 10	45 100	1961
1962	---	6.40B ON APR 04	0.099 ON OCT 16	26 600	1962
1963	---	9.46B ON MAR 22	0.266 ON MAY 11	31 500	1963
1964	---	4.50 ON MAY 03	0 ON OCT 02 *	40 600	1964
1965	---	48.1 B ON APR 16	0.357B ON APR 04	64 500	1965
1966	---	35.4 B ON MAR 16	0.042 ON SEP 22	66 500	1966
1967	95.4 AT 15:00 CST ON APR 14	91.2 ON APR 14	0.343 ON OCT 14	128 000	1967
1968	---	9.37 ON APR 15	0.031 ON OCT 01	46 400	1968
1969	---	31.1 B ON APR 03	0.079B ON MAR 12	56 400	1969
1970	---	36.5 ON APR 11	0.739 ON MAY 19	87 300	1970
1971	---	31.4 ON APR 06	0.360B ON MAR 11	87 400	1971
1972	---	9.68B ON APR 03	0.280 ON SEP 17	40 800	1972
1973	---	4.11 ON APR 10	0.122 ON SEP 28	28 800	1973
1974	---	14.5 ON APR 12	0.238 ON MAY 06	26 700	1974
				58 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK BELOW REID LAKE - STATION NO. 05HD041

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0.397	0.475	3.37	1.83	3.36	1.10	1.26	1.27	1.08	0.971	---	1975
1976	1.06	0.932	5.45	1.50	2.29	1.41	1.93	2.26	1.45	1.11	0.926	0.856	1.77	1976
1977	0.971	0.912	0.525	3.67	3.24	0.829	2.04	1.03	0.455	0.503	0.417	0.386	1.25	1977
1978	0.395	0.412	0.438	2.05	2.38	0.847	2.38	0.698	0.758	0.658	0.519	0.486	1.01	1978
1979	0.573	0.521	0.444	6.47	3.61	1.84	2.42	1.57	1.10	0.845	0.815	0.801	1.75	1979
1980	0.773	0.738	0.853	2.55	2.97	0.976	3.17	0.837	0.885	0.485	0.469	0.330	1.26	1980
1981	0.326	0.385	1.51	3.26	3.16	0.501	2.58	0.996	0.613	0.378	0.405	0.434	1.22	1981
1982	0.416	0.429	0.421	0.219	1.20	1.15	1.67	2.07	1.30	0.678	0.582	0.758	0.913	1982
1983	0.830	0.795	0.504	0.939	2.63	1.97	2.43	1.83	0.323	0.653	0.737	0.762	1.21	1983
1984	0.710	0.684	0.414	3.87	4.49	1.19	2.12	1.20	0.384	0.122	0.410	0.441	1.34	1984
1985	0.534	0.548	0.203	0.329	3.35	1.07	4.47	0.482	0.313	0.068	0.391	0.632	1.04	1985
1986	0.684	0.653	0.188	0.180	1.63	2.07 R	4.84 R	0.825R	0.591R	0.528R	0.699	0.845	1.15 R	1986
1987	0.735	0.566	0.545	0.495	4.50	2.42	3.16	0.502	0.673	0.411	0.385	0.348	1.24	1987
1988	0.464	0.426	0.862	3.30	2.96	0.380	0.446	0.453	0.267	0.099	0.110	0.208	0.832	1988
1989	0.189	0.383	0.349	0.019	1.88	0.368	2.52	0.484	0.272	0.149	0.145	0.207	0.586	1989
1990	0.197	0.213	0.147	0.154	1.18	2.09	1.79	1.05	0.550	0.165	0.162	0.197	0.660	1990
MEAN	0.590	0.573	0.828	1.84	2.80	1.31 R	2.58 R	1.09 R	0.700R	0.508R	0.516	0.541	1.15 R	MEAN

LOCATION - LAT 50 04 51 N LONG 108 02 40 W DRAINAGE AREA, 2 470 km² REGULATED R - REVISED SINCE JAN 01 1989

SWIFT CURRENT CREEK BELOW REID LAKE - STATION NO. 05HD041

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	9.94 AT 22:37 CST ON MAY 12	9.71 ON MAY 13	0 B ON MAR 21 *	---	1975
1976	29.3 AT 19:34 CST ON MAR 21 *	28.7 ON MAR 22 *	0.731 ON DEC 31	56 100	1976
1977	5.44 AT 08:56 CST ON MAY 11	5.41 ON MAY 10	0.320 ON AUG 16	39 400	1977
1978	5.44 AT 16:51 CST ON JUL 21	5.10 ON JUL 20	0.289 ON APR 09	31 800	1978
1979	20.8 AT 18:39 CST ON APR 21	20.7 ON APR 21	0.414 ON MAR 21	55 200	1979
1980	---	3.75 ON JUL 24	0.300 ON DEC 28	39 700	1980
1981	4.12 AT 17:49 CST ON JUL 18	3.84 ON JUL 13	0.309B ON JAN 16	38 500	1981
1982	---	3.70 ON JUL 30	0.095 ON APR 10	28 800	1982
1983	9.77 AT 16:49 CST ON MAY 11	7.88 ON MAY 12	0.204 ON SEP 14	30 000	1983
1984	5.51 AT 14:10 CST ON APR 27	5.46A ON APR 25	0.043 ON OCT 26	42 300	1984
1985	6.52 AT 21:48 CST ON JUL 12	5.97 ON JUL 05	0.002 ON MAR 15	32 800	1985
1986	7.30 AT 18:32 CST ON JUL 09	7.13R ON JUL 20	0.055 ON MAR 03	36 300	1986
1987	5.45 AT 05:11 CST ON MAY 29	5.43 ON MAY 29	0.310 ON DEC 23	39 000	1987
1988	4.43 AT 15:41 CST ON APR 16	4.39 ON APR 16	0.073 ON NOV 22	26 300	1988
1989	8.81 AT 18:42 CST ON MAR 10	4.71 ON JUL 22	0.012 ON MAR 28	18 500	1989
1990	9.33 AT 15:53 CST ON SEP 13	3.81 ON MAY 30	0.092B ON DEC 21	20 800	1990
				36 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989

SWIFT CURRENT CREEK BELOW ROCK CREEK - STATION NO. 05HD036

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	2.28	20.0	3.16	0.866	2.76	0.301	0.110	0.395	---	---	---	1955
1956	---	---	2.95	3.22	1.22	0.689	0.356	0.094	0.169	0.331	---	---	---	1956
1957	---	---	4.34	3.65	1.01	0.419	0.071	0.008	0.075	0.175	---	---	---	1957
1958	---	---	2.24	10.8	0.635	0.381	0.221	0.010	0.039	0.313	---	---	---	1958
1959	---	---	3.90	2.36	0.862	0.991	0.458	0.039	0.098	0.495	---	---	---	1959
1960	---	---	8.33	1.50	0.940	0.346	0.076	0.007	0	0.042	---	---	---	1960
1961	---	---	2.56	0.969	0.619	0.180	0.002	0	0	0.054	---	---	---	1961
1962	---	---	3.24	2.68	0.520	0.634	0.782	0.069	0.026	0.288	---	---	---	1962
1963	---	---	5.91	1.70	0.677	0.767	0.399	0.066	0	0.039	---	---	---	1963
1964	---	---	1.09	2.23	1.06	0.830	0.307	0.014	0.414	0.316	---	---	---	1964
1965	---	---	0.170	15.5	2.30	0.622	0.977	0.646	0.939	0.469	---	---	---	1965
1966	---	---	8.40	2.65	1.15	0.905	0.404	0.311	0.089	0.257	---	---	---	1966
1967	---	---	4.05	15.3	7.16	0.758	0.092	0.010	0.096	0.224	---	---	---	1967
1968	---	---	2.24	1.18	0.710	0.352	0.114	0.078	0.135	0.259	---	---	---	1968
1969	---	---	3.24	9.78	1.41	0.247	2.09	0.123	0.012	0.511	---	---	---	1969
1970	---	---	3.00	10.8	2.19	0.829	0.266	0.053	0.015	0.178	---	---	---	1970
1971	---	---	1.34	10.2	1.49	0.413	0.102	0.004	0.007	0.115	---	---	---	1971
1972	---	---	4.71	1.10	0.933	0.467	0.071	0.011	0.031	0.220	---	---	---	1972
1973	---	---	1.93	1.17	0.746	0.725	0.077	0.005	0	0.123	---	---	---	1973
1974	---	---	1.09	4.36	2.37	0.621	0.522	0.200	0.158	0.242	---	---	---	1974
1975	---	---	0.454	8.03	5.11	0.964	0.129	0.274	0.457	0.778	---	---	---	1975
1976	---	0.841	5.70	2.81	0.606	1.28	0.201	0.021	0.001	0.054	---	---	---	1976
1977	---	---	1.12	1.43	0.618	0.136	0.090	0.018	0.023	0.224	---	---	---	1977
1978	---	---	3.87	3.88	1.21	0.410	0.114	0.049	0.093	0.259	0.297	0.213	---	1978
1979	0.196	0.162	4.39	6.71	2.53	0.494	0.195	0.060	0.021	0.135	0.157	0.133	1.27	1979
1980	0.154	0.150	0.843	1.47	0.320	0.215	0.187	0.063	0.077	0.225	0.303	0.662	0.389	1980
1981	0.467	1.52	1.11	0.604	0.367	1.11	0.137	0.018	0.005	0.084	0.169	0.108	0.465	1981
1982	0.026	0.837	2.69	9.70	1.68	3.23	1.05	0.181	0.053	0.411	0.248	0.184	1.60	1982
1983	0.242	1.11	2.33	2.56	1.44	0.208	0.481	0.037	0.002	0.126	0.303	0.148	0.745	1983
1984	0.102	0.307	0.834	0.934	0.362	0.173	0.012	0.002	0.003	0.101	0.217	0.129	0.264	1984
1985	0.087	0.051	1.40	6.91	0.931	0.186	0.009	0.001	0.159	0.384	0.208	0.126	0.867	1985
1986	0.589	3.40	4.41	0.928	1.78	0.288	0.257	0.116	0.566	0.747	0.544	0.333	1.15	1986
1987	1.07	2.18	3.12	2.60	0.379	0.138	1.17	0.665	0.201	0.266	0.425	0.302	1.03	1987
1988	0.151	0.368	1.52	0.896	0.238	0.139	0.058	0	0	0.034	0.159	0.139	0.309	1988
1989	0.093	0.092	2.89	2.44	1.05	1.06	0.177	0.055	0.154	0.221	0.332	0.265	0.738	1989
1990	0.248	0.400	2.41	1.13	0.849	0.300	0.185	0.094	0.012	0.088	0.200	0.157	0.508	1990
MEAN	0.285	0.878	2.95	4.81	1.41	0.613	0.406	0.103	0.118	0.256	0.274	0.223	0.778	MEAN

LOCATION - LAT 49 50 39 N DRAINAGE AREA, 1 430 km²
LONG 108 28 46 W NATURAL FLOW

REMARKS - GAUGE LOCATED IN NW07-11-18-W3 PRIOR TO 1975 AND PUBLISHED AS "SWIFTCURRENT CREEK AT HIGHWAY NO. 37"

SWIFT CURRENT CREEK BELOW ROCK CREEK - STATION NO. 05HD036

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	92.9 AT 15:30 MST ON APR 10 *	85.2 ON APR 10 *	0.025 ON SEP 07	---	1955
1956	12.0 B AT 16:50 MST ON MAR 26	11.6 B ON MAR 26	0 B ON MAR 01 *	---	1956
1957	---	26.5 B ON MAR 21	0 ON JUL 15	---	1957
1958	57.8 B AT 18:00 MST ON APR 01	52.1 B ON APR 02	0 ON AUG 24	---	1958
1959	10.3 AT 18:00 MST ON JUN 28	8.72 ON JUN 28	0 ON AUG 11	---	1959
1960	49.3 B AT 23:00 MST ON MAR 19	43.0 B ON MAR 20	0 ON AUG 17	---	1960
1961	9.46B AT 22:00 MST ON MAR 19	7.90B ON MAR 18	0 ON JUL 11	---	1961
1962	22.8 B AT 09:00 MST ON MAR 27	22.5 B ON MAR 27	0 ON JUL 10	---	1962
1963	---	21.2 B ON MAR 24	0 ON AUG 22	---	1963
1964	---	7.82B ON APR 04	0 ON AUG 09	---	1964
1965	61.4 AT 17:00 MST ON APR 14	57.8 ON APR 14	0.014B ON MAR 21	---	1965
1966	---	31.7 B ON MAR 16	0 ON SEP 25	---	1966
1967	52.1 B AT 18:00 MST ON APR 11	45.3 B ON APR 10	0.003 ON SEP 04	---	1967
1968	6.99B AT 12:45 MST ON MAR 06	6.03B ON MAR 06	0.028 ON AUG 05	---	1968
1969	50.1 AT 01:07 MST ON APR 05	37.1 ON APR 05	0.008 ON SEP 14	---	1969
1970	42.8 B AT 02:41 MST ON APR 08	34.8 B ON APR 08	0.001 ON SEP 06	---	1970
1971	34.0 B AT 08:27 CST ON APR 08	30.9 B ON APR 07	0 ON AUG 20	---	1971
1972	19.8 B AT 08:10 CST ON MAR 19	18.5 B ON MAR 19	0 ON SEP 01	---	1972
1973	5.27 AT 08:15 CST ON MAR 26	3.17 ON MAR 26	0 ON AUG 27	---	1973
1974	11.9 B AT 02:45 CST ON APR 11	10.7 B ON APR 10	0.028B ON MAR 01	---	1974
1975	34.3 AT 00:45 CST ON APR 25	30.9 ON APR 25	0.034 ON JUL 29	--- *	1975
1976	38.6 B AT 22:17 CST ON MAR 19	33.7 B ON MAR 19	0 ON AUG 27	---	1976
1977	3.94B AT 01:07 CST ON APR 08	3.31B ON APR 08	0 ON SEP 08	---	1977
1978	---	15.3 B ON MAR 31	0 ON AUG 16	---	1978
1979	23.7 B AT 23:08 CST ON APR 19	18.8 B ON APR 20	0.008 ON SEP 17	40 100	1979
1980	4.87B AT 22:07 CST ON MAR 20	3.46B ON MAR 20	0.021 ON AUG 05	12 300	1980
1981	7.32B AT 02:15 CST ON FEB 18	6.51B ON FEB 18	0.003 ON SEP 04	14 700	1981
1982	45.3 B AT 20:33 CST ON APR 13	36.2 B ON APR 14	0 ON SEP 05	50 400	1982
1983	20.4 AT 18:59 CST ON MAR 31	15.7 ON MAR 31	0 ON JUN 27	23 500	1983
1984	2.53B AT 08:20 CST ON MAR 25	2.33B ON MAR 28	0 ON JUL 13	8 340	1984
1985	22.0 B AT 22:02 CST ON APR 03	19.8 B ON APR 04	0 ON JUL 23	27 300	1985
1986	31.9 B AT 01:45 CST ON FEB 28	27.7 B ON FEB 28	0.005 ON SEP 02	36 300	1986
1987	23.8 AT 15:34 CST ON JUL 29	18.1 ON JUL 29	0 ON JUL 13	32 600	1987
1988	4.67 AT 22:49 CST ON JUN 29	2.32B ON MAR 24	0 ON AUG 05	9 760	1988
1989	12.7 B AT 20:49 CST ON MAR 10	8.79B ON MAR 30	0.002 ON AUG 26	23 300	1989
1990	5.83B AT 00:11 CST ON MAR 08	4.86B ON MAR 07	0.001E ON SEP 24	16 000	1990
				24 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SWIFT CURRENT CREEK NEAR LEINAN - STATION NO. 05HD039

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	1.03	0.946	0.404	0.365	0.195	0.253	0.286	0.364	0.376	0.466	---	1973
1974	0.122	0.154	0.159	9.67	2.02	0.995	0.606	1.10	1.02	1.37	0.947	0.453	1.54	1974
1975	0.217	0.099	0.255	5.38	4.18	1.57	1.08	1.38	1.38	1.69	1.02	0.557	1.57	1975
1976	0.627	0.657	11.5	3.68	1.23	2.45	1.56	1.69	1.70	1.63	1.06	0.851	2.37	1976
1977	0.759	1.10	0.850	0.467	1.21	0.429	0.579	0.361	0.446	0.879	0.338	0.221	0.635	1977
1978	0.138	0.155	2.04	2.37	0.901	0.650	0.395	0.493	0.651	0.782	0.565	0.403	0.798	1978
1979	0.078	0.072	3.64	7.03	2.87	1.04	0.822	1.05	1.26	1.32	0.770	0.561	1.71	1979
1980	0.502	0.533	2.86	1.17	0.318	0.209	0.646	0.516	0.651	0.799	0.511	0.764	0.793	1980
1981	0.759	2.09	0.979	0.619	0.266	0.595	0.654	0.457	0.442	0.529	0.619	0.393	0.691	1981
1982	0.193	0.261	5.26	5.68	0.982	1.36	2.61	1.41	1.35	1.19	0.640	0.843	1.82	1982
1983	0.711	1.23	2.40	2.99	2.91	0.556	1.17	1.36	0.812	0.883	0.823	0.769	1.39	1983
1984	0.429	0.779	1.29	0.843	0.561	0.625	0.196	0.404	0.458	0.315	0.412	0.258	0.545	1984
1985	0.136	0.135	2.58	1.45	0.610	0.268	0.147	0.220	0.275	0.268	0.123	0.026	0.523	1985
1986	0.465	2.06	1.40	0.481	0.757	0.254	0.322	0.279	0.350	0.525	0.416	0.300	0.625	1986
1987	0.492	0.955	0.731	0.844	0.547	0.358	0.459	0.504	0.443	0.431	0.436	0.382	0.546	1987
1988	0.072	0.256	0.456	0.412	0.172	0.155	0.023	0.057	0.105	0.109	0.127	0.109	0.170	1988
1989	0.085	0.015	4.04	3.27	0.570	2.32	0.290	0.372	0.483	0.227	0.254	0.108	1.01	1989
1990	0.382	0.227	1.45	0.451	0.554	0.484	0.758	0.502	0.353	0.276	0.249	0.151	0.490	1990
MEAN	0.363	0.634	2.38	2.65	1.17	0.816	0.678	0.689	0.693	0.755	0.538	0.423	1.01	MEAN

LOCATION - LAT 50 29 38 N LONG 107 39 31 W DRAINAGE AREA, 3 730 km² REGULATED

SWIFT CURRENT CREEK NEAR LEINAN - STATION NO. 05HD039

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	2.29 ON APR 30	---	---	1973
1974	---	32.8 B ON APR 15	0.027B ON MAR 19	48 700	1974
1975	---	34.0 B ON APR 22	0.082B ON JAN 30	49 500	1975
1976	---	63.1 B ON MAR 24 *	0.510B ON MAR 02	75 000	1976
1977	5.15 AT 21:25 CST ON MAY 27	2.80 ON MAY 20	0.153 ON JUN 14	20 000	1977
1978	---	6.37B ON MAR 30	0.116B ON JAN 20	25 200	1978
1979	35.7 B AT 17:58 CST ON APR 19	27.8 B ON APR 19	0.005B ON FEB 22	54 000	1979
1980	9.22B AT 05:09 CST ON MAR 21	8.44B ON MAR 21	0.058 ON JUN 02	25 100	1980
1981	42.5 AT 15:49 CST ON JUL 18	10.0 B ON FEB 19	0.031B ON JAN 16	21 800	1981
1982	42.7 B AT 20:57 CST ON APR 13	30.2 B ON MAR 17	0.002B ON JAN 16	57 400	1982
1983	60.9 AT 18:14 CST ON JUL 20 *	18.9 B ON APR 01	0.170B ON DEC 29	43 700	1983
1984	6.90B AT 15:24 CST ON MAR 24	5.34B ON MAR 24	0.007 ON JUL 22	17 200	1984
1985	12.2 B AT 15:16 CST ON MAR 17	7.53B ON MAR 18	0.004B ON DEC 07	16 500	1985
1986	53.5 B AT 15:04 CST ON FEB 27	25.4 B ON FEB 27	0.034B ON JAN 06	19 700	1986
1987	2.12B AT 09:41 CST ON MAR 06	1.86B ON MAR 06	0.043 ON JUL 15	17 200	1987
1988	1.55B AT 12:11 CST ON APR 06	1.14B ON APR 06	0.003 ON JUL 17	5 380	1988
1989	33.6 AT 21:16 CST ON JUN 12	21.3 B ON MAR 30	0.001B ON MAR 05 *	31 700	1989
1990	4.22B AT 17:23 CST ON MAR 08	3.83B ON MAR 08	0.050B ON DEC 31	15 400	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		32 000	MEAN

SWIFT CURRENT CREEK NEAR SWIFT CURRENT - STATION NO. 05HD038

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	0.034	0.032	3.41	6.07	1.22	0.793	0.268	0.015	0.847	1.24	0.573	0.324	1.24	1914
1915	0.173	0.107	2.99	5.75	2.02	2.44	2.27	0.842	0.830	1.11	0.738	0.362	1.64	1915
1916	0.106	0.388	23.4	8.31	3.35	3.56	1.51	1.75	1.25	1.43	0.258	0.276	4.33	1916
1917	0.251	0.063	0.067	38.2	10.2	2.42	1.43	0.797	1.86	1.55	1.30	0.248	4.84	1917
1918	0.097	0.383	28.8	7.17	1.65	0.956	0.357	0.236	0.192	1.40	0.610	0.265	3.55	1918
1919	0.152	0.346	0.518	5.16	1.62	0.322	0.069	0.066	0.165	0.415	0.851	0.179	0.818	1919
1920	0.001	0	7.10	9.30	2.98	1.42	0.824	0.129	0.266	0.662	0.579	0.349	1.97	1920
1921	0.154	1.39	4.19	5.22	2.24	0.872	0.463	0.249	0.497	0.633	0.616	0.506	1.42	1921
1922	0.130	0.043	4.73	19.8	3.14	1.09	0.727	0.559	0.354	0.410	0.482	0.363	2.64	1922
1923	0.223	0.114	1.97	8.46	1.61	6.70	1.64	0.562	0.284	0.545	0.546	0.397	1.91	1923
1924	0.175	0.412	0.330	3.14	1.15	1.13	0.422	0.858	0.194	0.716	0.505	0.410	0.783	1924
1925	0.113	0.387	19.4	12.2	1.82	1.42	0.338	0.205	0.402	0.898	0.628	0.165	3.18	1925
1926	0.143	0.224	16.1	2.25	1.18	0.719	0.287	0.134	0.413	0.556	0.312	0.110	1.90	1926
MEAN	0.135	0.299	8.69	10.1	2.63	1.83	1.28	0.492	0.581	0.890	0.615	0.304	2.32	MEAN

LOCATION - LAT 50 14 30 N LONG 107 48 00 W DRAINAGE AREA, 3 160 km² NATURAL FLOW

SWIFT CURRENT CREEK NEAR SWIFT CURRENT - STATION NO. 05HD038

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	11.0 E ON APR 09	0 B ON FEB 06 *	39 000	1914
1915	---	28.0 E ON APR 05	0 B ON MAR 15	51 700	1915
1916	---	65.1 ON MAR 12	0.006B ON FEB 02	137 000	1916
1917	---	153 E ON APR 11 *	0.014B ON FEB 20	153 000	1917
1918	---	114 B ON MAR 18	0.051B ON JAN 16	112 000	1918
1919	---	17.0 B ON APR 06	0 ON JUL 30	25 800	1919
1920	---	21.0 B ON MAR 26	0 B ON JAN 01	62 200	1920
1921	---	12.5 ON APR 16	0.048B ON DEC 25	44 600	1921
1922	---	62.3 B ON APR 04	0.025B ON FEB 19	83 300	1922
1923	---	34.0 E ON JUN 20	0.028B ON FEB 14	60 300	1923
1924	---	8.07B ON APR 13	0.057B ON JAN 18	24 800	1924
1925	---	122 B ON MAR 27	0.054B ON FEB 01	100 000	1925
1926	---	41.9 B ON MAR 18	0.003E ON AUG 01	59 800	1926
				73 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK NEAR SWIFT CURRENT (LOWER STATION) - STATION NO. 05HD006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	1.90	1.37	0.340	0.215	0.475	---	0.305	---	1913
1914	0.051	0.059	2.87	6.46	1.17	0.833	0.183	0.021	0.577	1.00	0.607	0.306	1.18	1914
1915	0.146	0.087	3.34	6.54	2.04	2.07	2.40	0.745	0.586	0.866	0.617	0.326	1.65	1915
1916	0.120	0.294	17.3	7.31	2.97	3.15	5.23	1.30	0.761	1.31	0.468	0.339	3.40	1916
MEAN	0.106	0.147	7.84	6.77	2.06	1.99	2.30	0.602	0.535	0.913	0.564	0.319	2.08	MEAN

LOCATION - LAT 50 15 50 N
LONG 107 47 15 W
DRAINAGE AREA, 3 230 km^2
REGULATED

SWIFT CURRENT CREEK NEAR SWIFT CURRENT (LOWER STATION) - STATION NO. 05HD006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	10.9 ON APR 09	0.003 ON AUG 21 *	37 100	1914
1915	---	28.0 ON APR 05	0.085B ON FEB 01	52 100	1915
1916	---	62.9 ON MAR 12 *	0.048B ON JAN 25	108 000	1916
				65 700	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK NEAR THE MOUTH - STATION NO. 05HD037

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	4.34	0.877	0.954	0.644	0.857	2.09	---	---	---	1965
1966	---	---	15.9	5.40	2.44	1.36	0.726	0.791	0.846	1.71	---	---	3.66	1966
1967	---	---	1.28	31.1	9.58	1.51	0.540	0.401	0.900	0.937	---	---	5.72	1967
1968	---	---	4.08	1.79	1.95	1.13	0.831	0.955	0.896	2.63	---	---	1.79	1968
1969	---	---	0.496	21.1	1.59	1.08	1.66	1.40	2.00	1.46	---	---	3.79	1969
1970	---	---	4.90	27.2	2.12	3.46	2.26	1.45	2.04	2.13	---	---	5.64	1970
1971	---	---	1.40	23.7	2.62	2.70	2.10	1.55	1.80	2.15	---	---	4.70	1971
1972	---	---	3.07	2.11	1.24	0.711	0.464	0.383	0.448	0.959	---	---	1.17	1972
MEAN	---	---	4.45	16.0	3.24	1.60	1.19	0.947	1.22	1.76	---	---	3.78	MEAN

LOCATION - LAT 50 36 06 N
LONG 107 43 22 W
DRAINAGE AREA, 3 910 km^2
REGULATED SINCE 1942

SWIFT CURRENT CREEK NEAR THE MOUTH - STATION NO. 05HD037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	37.4B ON MAR 20	0.416 ON JUL 24	77 400	1966
1967	---	99.1 ON APR 14	0.198 ON AUG 29 *	121 000	1967
1968	---	13.6B ON MAR 02	0.340 ON OCT 06	37 900	1968
1969	---	119 B ON APR 05 *	0.198B ON MAR 01	80 200	1969
1970	---	96.3B ON APR 07	0.283B ON MAR 01	119 000	1970
1971	95.4B AT 12:00 CST ON APR 08 *	82.1B ON APR 08	0.425B ON MAR 01	99 500	1971
1972	---	23.3B ON MAR 19	0.311 ON SEP 04	24 900	1972
				80 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TATAGWA LAKE DRAIN NEAR WEYBURN - STATION NO. 05NB018

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	0	0.582	0.189	0.030	0	0	0	0	---	---	0.099	1960
1961	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.002	0.003	0	0	0	0	0	0	---	---	0.001	1962
1963	---	---	0	0	0	0	0	0	0	0	---	---	0	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.004	0.032	0.207	0.080	0.025	0.047	0.030	---	---	0.053	1965
1966	---	---	0.013	0.116	0.082	0.017	0.008	0	0	0	---	---	0.029	1966
1967	---	---	0	0.028	0.046	0.020	0.003	0	0	0	---	---	0.012	1967
1968	---	---	0.003	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.819	1.18	0.308	0.247	0.264	0.096	0.033	---	---	0.368	1969
1970	---	---	0	0.133	1.98	1.35	0.692	0.044	0.017	0.014	---	---	0.528	1970
1971	---	---	0	0.948	0.340	0.014	0.006	0.002	0	0	---	---	0.162	1971
1972	---	---	0.003	0.218	0.078	0.028	0.002	0	0	0	---	---	0.041	1972
1973	---	---	0.001	0.001	0.005	0.001	0	0	0	0	---	---	0.001	1973
1974	---	---	0	1.07	2.16	0.298	0.040	0.016	0.013	0.011	---	---	0.450	1974
1975	---	---	0	0.648	3.31	1.08	0.084	0.014	0.019	0.017	---	---	0.648	1975
1976	---	---	0.007	3.41	1.98	1.04	0.878	0.394	0.138	0.088	0.125	0	0.984	1976
1977	---	---	0	0.049	0.050	0.010	0	0	0	0	---	---	0.014	1977
1978	---	---	0	0.181	0.086	0.057	0.198	0.196	0.124	0.080	0.052	0.007	0.115	1978
1979	---	---	0	0.482	3.88	2.06	0.495	0.138	0.045	0.017	---	---	0.891	1979
1980	---	---	0.003	0.149	0.045	0	0	0	0	0	---	---	0.024	1980
1981	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.540	0.892	0.127	0.031	0.010	0.001	0.005	---	---	0.200	1982
1983	---	---	0	0.660	0.946	0.120	0.026	0.024	0.009	0	---	---	0.223	1983
1984	---	---	0.017	0.001	0	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.024	0.006	0	0	0	0	0	0	---	---	0.004	1985
1986	---	---	0.016	0	0	0	0.007	0	0	0	---	---	0.003	1986
1987	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.004	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0.004	0	0	0.055	0.010	0	0	---	---	0.009	1990
MEAN	---	---	0.003	0.324	0.557	0.218	0.092	0.037	0.016	0.010	0.089	0.004	0.157	MEAN

LOCATION - LAT 49 35 58 N LONG 103 56 50 W DRAINAGE AREA, 240 km² REGULATED

TATAGWA LAKE DRAIN NEAR WEYBURN - STATION NO. 05NB018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	1.13 E ON APR 09	0 ON MAR 01 *	2 090	1960
1961	---	0.014B ON MAR 22	0E ON MAR 01	3.72	1961
1962	---	0.023B ON APR 01	0B ON MAR 01	12.9	1962
1963	---	0 ON MAR 01	0 ON MAR 01	0	1963
1964	---	0 ON MAR 01	0 ON MAR 01	0	1964
1965	---	0.306 ON JUN 09	0B ON MAR 01	1 120	1965
1966	---	0.249 ON MAY 04	0B ON MAR 01	620	1966
1967	---	0.091 ON MAY 06	0B ON MAR 01	255	1967
1968	---	0.015B ON MAR 07	0B ON MAR 01	6.83	1968
1969	---	1.70 ON APR 21	0B ON MAR 01	7 790	1969
1970	---	2.59 ON MAY 18	0B ON MAR 01	11 200	1970
1971	---	1.59 ON APR 16	0B ON MAR 01	3 430	1971
1972	0.283 AT 19:32 CST ON APR 09	0.283E ON APR 03	0B ON MAR 01	858	1972
1973	---	0.008E ON APR 01	0B ON MAR 01	20.8	1973
1974	3.60 AT 00:39 CST ON APR 29	3.57 ON APR 29	0B ON MAR 01	9 530	1974
1975	4.13 AT 17:51 CST ON MAY 02	4.13 A ON MAY 01	0B ON MAR 01	13 700	1975
1976	5.01 AT 12:00 CST ON APR 14 *	4.93 ON APR 14 *	0B ON MAR 01	20 800	1976
1977	0.178 AT 04:15 CST ON MAY 10	0.108 ON MAY 19	0B ON MAR 01	286	1977
1978	0.793B AT 18:00 CST ON APR 11	0.793B ON APR 11	0B ON MAR 01	2 440	1978
1979	4.33 AT 23:19 CST ON MAY 17	4.24 ON MAY 17	0B ON MAR 01	18 900	1979
1980	0.483B AT 11:28 CST ON APR 08	0.338B ON APR 08	0B ON MAR 01	516	1980
1981	0.025B AT 09:48 CST ON MAR 14	0.015B ON MAR 14	0B ON MAR 01	1.73	1981
1982	2.61 AT 14:23 CST ON APR 26	2.42 ON APR 27	0B ON MAR 01	4 240	1982
1983	2.03 AT 18:47 CST ON APR 26	1.93 ON APR 26	0B ON MAR 01	4 710	1983
1984	0.195B AT 19:03 CST ON MAR 19	0.139B ON MAR 20	0B ON MAR 01	46.8	1984
1985	---	0.100B ON MAR 27	0B ON MAR 01	79.4	1985
1986	0.342 AT 04:50 CST ON JUL 17	0.176 ON JUL 17	0B ON MAR 26	63.2	1986
1987	0.009B AT 05:33 CST ON APR 02	0.006B ON APR 02	0B ON MAR 01	5.53	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	---	0.037B ON APR 19	0B ON MAR 01	2.85	1989
1990	0.861 AT 04:15 CST ON JUL 03	0.565 ON JUL 03	0B ON MAR 01	184	1990
				3 320	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TAZIN RIVER ABOVE TAZIN LAKE - STATION NO. 07QC006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	---	---	---	---	---	---	9.39R	9.16R	7.84R	7.04R	---	1988
1989	5.55R	4.59	3.74	3.59	33.1	21.7	11.6	8.72	7.78	8.57	7.96	7.33	10.4 R	1989
1990	5.21	3.89	3.51	3.94	13.0	13.5	14.7	10.6	11.2	9.98	8.87	7.41	8.84	1990
MEAN	5.38R	4.24	3.63	3.77	23.0	17.6	13.2	9.66	9.46R	9.30R	8.22R	7.26R	9.62R	MEAN

LOCATION - LAT 59 47 34 N
LONG 108 19 00 W
NATURAL FLOW

R - REVISED SINCE JAN 01 1989

TAZIN RIVER ABOVE TAZIN LAKE - STATION NO. 07QC006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1988	---	---	---	---	1988
1989	49.7 AT 22:17 CST ON MAY 14 *	49.3 ON MAY 14 *	3.35B ON MAR 10 *	328 000	1989
1990	---	16.5 ON JUL 04	3.35B ON APR 09	279 000	1990
				304 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TAZIN RIVER ABOVE TESELJIRI FALLS - STATION NO. 07QC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	---	---	---	---	---	---	---	---	83.8	71.1	---	1936
1937	58.9	45.8	33.6	---	---	---	---	---	---	---	---	---	---	1937
1939	---	---	---	17.9	45.1	77.1	---	---	8.14	11.1	12.5	---	---	1939
MEAN	58.9	45.8	33.6	17.9	45.1	77.1	---	---	8.14	11.1	48.2	71.1	---	MEAN

LOCATION - LAT 59 50 00 N
LONG 109 37 00 W
DRAINAGE AREA, 10 400 km²
NATURAL FLOW

TAZIN RIVER ABOVE TESELJIRI FALLS - STATION NO. 07QC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	---	---	---	1936
1937	---	---	---	---	1937
1939	---	---	---	---	1939
				---	MEAN

TEARING RIVER NEAR CUMBERLAND HOUSE - STATION NO. 05KH012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	589	363	590	330	---	---	---	1954
1955	---	---	---	---	---	469	379	228	---	---	---	---	---	1955
1956	---	---	---	---	---	341	286	204	---	---	---	---	---	1956
1957	---	---	---	---	---	248	152	96.3	84.1	---	---	---	---	1957
1958	---	---	---	---	218	256	242	148	69.4	---	---	---	---	1958
1959	---	---	---	---	---	164	350	157	85.2	72.0	---	---	---	1959
1960	---	---	---	---	---	185	212	139	50.7	10.3	---	---	---	1960
1961	---	---	81.6	123	107	228	158	96.7	40.2	6.98	---	---	---	1961
1962	---	---	6.29	114	154	122	131	108	31.1	1.21	1.03	6.98	---	1962
1963	66.8	112	120	147	133	136	211	161	84.9	36.8	14.0	33.0	105	1963
1964	95.8	119	124	139	134	175	388	110	41.6	74.5	41.5	38.2	124	1964
1965	78.2	99.1	134	196	239	328	---	446	141	131	93.1	105	---	1965
1966	122	112	142	255	150	204	291	188	58.9	5.14	6.39	15.9	110	1966
1967	56.8	117	125	108	181	154	156	84.0	18.4	5.14	3.16	59.7	89.0	1967
1968	132	79.6	104	123	41.4	29.1	50.8	60.9	39.9	11.6	24.1	77.3	64.5	1968
1969	142	168	144	193	159	95.5	270	153	77.0	55.2	46.2	90.1	133	1969
1970	211	219	116	112	226	105	165	132	46.6	13.8	33.7	119	125	1970
1971	172	165	161	201	178	130	140	128	30.6	7.51	40.7	130	123	1971
1972	153	150	176	---	318	143	242	173	75.3	70.8	74.1	112	---	1972
1973	189	197	184	165	149	195	143	63.9	66.5	35.8	56.7	81.4	127	1973
1974	154	193	197	275	683	414	232	138	124	103	67.4	113	225	1974
1975	---	---	164	155	---	---	149	56.8	18.9	13.8	38.5	114	---	1975
MEAN	131	144	132	165	205	206	235	156	88.7	54.5	38.6	78.3	125	MEAN

LOCATION - LAT 53 57 00 N
LONG 102 11 00 W
NATURAL FLOW

TEARING RIVER NEAR CUMBERLAND HOUSE - STATION NO. 05KH012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	484 ON JUL 14	---	---	1959
1960	---	263 ON JUL 20	---	---	1960
1961	---	323 ON JUN 23	1.55 ON OCT 19	---	1961
1962	---	300 ON APR 30	0 ON OCT 24 *	---	1962
1963	---	278 ON JUL 22	2.83 ON NOV 17	3 300 000	1963
1964	---	515 ON JUL 06	5.44 ON NOV 19	3 910 000	1964
1965	---	---	56.6 E ON JAN 01	---	1965
1966	---	391 ON JUL 21	2.17 ON OCT 10	4 100 000	1966
1967	---	297 ON MAY 08	1.20 ON OCT 23	2 810 000	1967
1968	---	143 ON JAN 17	1.46 ON OCT 15	2 040 000	1968
1969	---	430 ON JUL 22	3.65 ON NOV 11	4 190 000	1969
1970	---	433 ON MAY 06	2.43 ON SEP 27	3 930 000	1970
1971	---	297 ON APR 23	3.17 ON OCT 08	3 890 000	1971
1972	---	---	30.6 ON NOV 29	---	1972
1973	---	269 ON JUN 18	3.57 ON NOV 06	3 990 000	1973
1974	---	858 ON MAY 07 *	35.7 ON NOV 19	7 090 000	1974
1975	---	---	3.57 ON SEP 02	---	1975
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 930 000	MEAN

TENAILLE DITCH NEAR KLINTONEL - STATION NO. 11AC046

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0	0	0	0	0	---	---	0	1912
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 39 10 N
LONG 108 55 20 W REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1912-22

TENAILLE DITCH NEAR KLINTONEL - STATION NO. 11AC046

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	0 ON MAR 01 *	0 ON MAR 01 *	0	1912
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

TENMILE CREEK NEAR TENMILE POLICE DETACHMENT - STATION NO. 11AB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.008	0.008	0.008	---	---	---	1909
1911	---	---	---	---	---	0.008	0.005	0.005	0.092	---	---	---	---	1911
1912	---	---	---	---	0.022	0.009	0.006	0.006	0.006	0.007	---	---	---	1912
1913	---	---	---	0.150	0.027	0.015	0.014	0.008	0.007	0.007	---	---	---	1913
1914	---	---	---	0.061	0.011	0.007	0.004	0.004	0.005	0.004	---	---	---	1914
1915	---	---	---	0.175	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	0.129	0.020	0.010	0.007	0.006	0.024	0.007	---	---	---	MEAN

LOCATION - LAT 49 26 00 N DRAINAGE AREA, 79.8 km^2
LONG 109 51 00 W NATURAL FLOW

TENMILE CREEK NEAR TENMILE POLICE DETACHMENT - STATION NO. 11AB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1911	---	---	0 ON AUG 15 *	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

THUNDER CREEK AT MOOSE JAW - STATION NO. 05JG003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	---	0.525	0.301	---	---	---	---	---	---	---	---	1936
MEAN	---	---	---	0.525	0.301	---	---	---	0	0	---	---	---	MEAN

LOCATION - LAT 50 23 12 N LONG 105 37 33 W DRAINAGE AREA, 3 550 km² NATURAL FLOW

THUNDER CREEK AT MOOSE JAW - STATION NO. 05JG003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	0 ON SEP 01 *	---	1935
1936	---	---	0E ON APR 05	---	1936
				---	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THUNDER CREEK NEAR DARMODY - STATION NO. 05JG012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	0	0.472	0.001	0	0.003	0.006	0	0	---	---	0.059	1969
1970	---	---	0.319	2.38	0.653	0.557	0.136	0.005	0.055	0	---	---	0.508	1970
1971	---	---	0	1.01	0.179	0.008	0	0	0	0.011	---	---	0.148	1971
1972	---	---	0.060	0.008	0.021	0.003	0	0.090	0	0	---	---	0.023	1972
1973	---	---	0.105	0.030	0.016	0.003	0	0.007	0.003	0	---	---	0.021	1973
1974	---	---	0	2.92	1.62	0.530	0	0.011	0	0.001	---	---	0.630	1974
1975	---	---	0	1.32	0.933	0.071	0.014	0.019	0	0.119	---	---	0.308	1975
1976	---	---	1.09	3.00	0.160	0.007	0.035	0.281	0	0	---	---	0.566	1976
1977	---	---	0.050	0.114	0.096	0.001	0	0	0	0	---	---	0.033	1977
1978	---	---	0.127	0.007	0.001	0	0	0	0	0	---	---	0.027	1978
1979	---	---	0.216	0.239	0.005	0	0	0	0	0	---	---	0.057	1979
1980	---	---	0.110	0.067	0	0	0	0	0	0	---	---	0.022	1980
1981	---	0.010	0.001	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.004	1.97	0.086	0.023	0	0	0	0	---	---	0.256	1982
1983	---	0.004	0.167	0.024	0	0	0.094	0	0	0	---	---	0.036	1983
1984	---	---	0.078	0.002	0	0	0	0	0	0	---	---	0.010	1984
1985	---	---	0.497	0.195	0	0	0	0	0	0	---	---	0.087	1985
1986	---	0.060	0.072	0	0.003	0	0.002	0	0.001	0	---	---	0.010	1986
1987	---	0.003	0.121	0.043	0	0	0	0	0	0	---	---	0.021	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.029	0.003	0	0	0	0	0	0	---	---	0.004	1989
1990	---	0.001	0.011	0	0	0.001	0.016	0	0	0	---	---	0.004	1990
MEAN	---	0.016	0.139	0.631	0.172	0.055	0.014	0.019	0.003	0.006	---	---	0.129	MEAN

LOCATION - LAT 50 39 33 N LONG 106 16 45 W DRAINAGE AREA, 988 km² REGULATED SINCE 1962

THUNDER CREEK NEAR DARMODY - STATION NO. 05JG012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	4.08 A ON APR 09	0B ON MAR 01 *	1 250	1969
1970	6.77 AT 11:42 CST ON APR 07	6.03 ON APR 07	0B ON MAR 01	10 700	1970
1971	4.33 AT 04:30 CST ON APR 08	3.54 ON APR 08	0B ON MAR 01	3 140	1971
1972	0.626B AT 09:17 CST ON MAR 18	0.382B ON MAR 18	0B ON MAR 01	490	1972
1973	0.640 AT 14:33 CST ON MAR 13	0.425 ON MAR 13	0B ON MAR 01	436	1973
1974	38.8 B AT 08:04 CST ON APR 19 *	31.4 B ON APR 19 *	0B ON MAR 01	13 300	1974
1975	3.57 AT 21:39 CST ON APR 14	2.83 ON APR 15	0B ON MAR 01	6 510	1975
1976	6.03 AT 18:32 CST ON APR 05	5.90 ON APR 05	0B ON MAR 01	12 000	1976
1977	2.16 AT 01:38 CST ON MAY 25	1.31 ON MAY 25	0B ON MAR 01	690	1977
1978	1.09 AT 18:27 CST ON MAR 28	0.867 ON MAR 28	0B ON MAR 01	569	1978
1979	1.74 AT 17:25 CST ON MAR 20	1.19 ON MAR 20	0B ON MAR 01	1 210	1979
1980	0.652 AT 00:54 CST ON MAR 31	0.609 ON MAR 31	0B ON MAR 01	469	1980
1981	0.080B ON FEB 18	0.003B ON MAR 01	0B ON MAR 15	1.64	1981
1982	21.3 AT 15:33 CST ON APR 14	19.7 B ON APR 14	0B ON MAR 01	5 420	1982
1983	2.15 AT 18:06 CST ON JUL 21	1.50 ON JUL 21	0B ON MAR 05	762	1983
1984	0.651B AT 09:26 CST ON MAR 21	0.367B ON MAR 21	0B ON MAR 10	215	1984
1985	3.72 AT 13:58 CST ON MAR 18	3.16 ON MAR 18	0B ON MAR 01	1 840	1985
1986	2.00 B AT 18:41 CST ON FEB 26	0.517B ON MAR 01	0 ON APR 01	208	1986
1987	0.779B AT 20:58 CST ON MAR 26	0.486 ON APR 02	0B ON MAR 01	434	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	0.250B AT 08:43 CST ON MAR 26	0.206B ON MAR 26	0B ON MAR 01	84.9	1989
1990	0.461 AT 02:26 CST ON JUL 28	0.290 ON JUL 28	0B ON MAR 18	75.7	1990
				2 720	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THYME HILL RIVER BELOW MACKENZIE LAKE - STATION NO. 06DB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	21.5	22.9	11.3	9.56	13.8	12.6	8.48	5.05	---	1978
1979	3.47	2.49	1.99	1.88	8.61	18.9	15.4	9.40	6.60	12.9	10.1	5.53	8.15	1979
1980	3.25	2.35	2.17	4.16	10.7	5.67	8.25	17.6	16.2	16.7	11.9	6.81	8.84	1980
1981	4.83	3.77	3.02	2.84	18.6	18.1	9.90	5.40	1.36	1.31	3.60	3.27	6.71	1981
1982	2.40	1.83	1.58	1.52	14.3	14.5	9.60	7.55	8.49	6.63	4.71	3.61	6.42	1982
1983	2.93	2.41	2.21	2.43	7.98	20.6	14.1	20.1	39.6	25.8	15.4	9.35	11.6	1983
1984	5.48	4.19	3.33	6.90	21.7	14.4	8.48	6.02	4.11	4.05	4.97	4.50	7.52	1984
1985	3.29	2.79	2.72	3.10	38.9	17.2	9.12	5.77	22.2	16.0	11.0	6.16	11.6	1985
1986	4.18	3.61	2.93	3.51	45.2	36.9	19.1	15.7	9.90	7.94	6.71	4.67	13.4	1986
1987	3.65	2.88	2.60	3.92	17.6	16.6	8.45	3.54	3.36	1.47	6.24	5.33	6.57	1987
1988	3.84	2.80	2.28	2.23	23.8	34.4	20.8	11.1	8.34	8.22	7.98	7.22	11.1	1988
1989	5.46	4.01	3.12	2.87	37.1	26.1	25.4	13.6	7.84	6.97	7.26	6.37	12.3	1989
1990	4.73	4.12	3.45	3.00	12.8	24.9	18.8	12.1	9.52	9.00	9.16	7.80	9.97	1990
MEAN	3.96	3.10	2.62	3.36	21.4	20.9	13.7	10.6	11.8	10.4	8.27	5.82	9.68	MEAN

LOCATION - LAT 57 46 10 N LONG 102 43 50 W DRAINAGE AREA, 1 300 km²
NATURAL FLOW

THYME HILL RIVER BELOW MACKENZIE LAKE - STATION NO. 06DB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	31.3 AT 18:10 CST ON MAY 30	31.2R ON MAY 30	---	---	1978
1979	24.4 AT 04:54 CST ON JUN 05	24.2 ON JUN 05	1.68 ON APR 10	257 000	1979
1980	20.7 AT 19:50 CST ON AUG 05	20.6 ON AUG 05	2.10 ON MAR 12	279 000	1980
1981	29.5 AT 16:50 CST ON MAY 21	29.3 ON MAY 21	2.74E ON APR 03	211 000	1981
1982	18.8A ON MAY 22	18.4 ON MAY 22	1.41 ON APR 07 *	202 000	1982
1983	56.0 AT 15:24 CST ON SEP 24	55.6 ON SEP 24	2.06 ON APR 17	429 000	1983
1984	28.2A AT 23:23 CST ON MAY 01	28.0A ON MAY 01	2.95 ON APR 05	238 000	1984
1985	62.4 AT 00:00 CST ON MAY 15	61.9 ON MAY 14	2.64 ON MAR 10	365 000	1985
1986	75.5 AT 16:00 CST ON MAY 26 *	75.3 ON MAY 25 *	2.77 ON MAR 26	424 000	1986
1987	20.9 AT 19:53 CST ON MAY 15	20.6 ON MAY 13	2.51 ON MAR 14	207 000	1987
1988	42.8 AT 21:06 CST ON JUN 10	42.6 ON JUN 10	2.11 ON APR 03	351 000	1988
1989	---	64.2A ON MAY 18	2.76A ON APR 11	387 000	1989
1990	30.3 AT 01:18 CST ON JUN 24	29.7 ON JUN 21	2.70 ON APR 20	315 000	1990
				305 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989

TORCH RIVER NEAR LOVE - STATION NO. 05KE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	8.69	2.16	---	---	---	---	1950
1951	---	---	---	---	34.8	11.5	6.87	4.60	5.62	5.28	---	---	---	1951
1952	---	---	---	13.0	11.9	12.0	13.6	9.77	7.04	5.76	---	---	---	1952
1953	---	---	1.44	22.8	11.9	9.04	13.8	6.11	2.69	2.46	---	---	---	1953
1954	---	---	0.939	3.00	24.8	35.7	32.9	61.1	64.6	32.5	---	---	---	1954
1955	---	---	4.14	55.3	47.7	19.7	22.9	15.4	8.17	7.00	---	---	---	1955
1956	---	---	3.12	18.4	47.9	22.8	18.0	10.1	6.61	4.14	---	---	---	1956
1957	---	---	0	29.0	29.9	7.32	5.58	4.53	8.27	4.41	---	---	---	1957
1958	---	---	3.91	36.0	17.3	7.65	4.92	1.28	2.13	3.48	---	---	---	1958
1959	---	---	1.39	19.1	7.06	8.45	7.20	5.25	5.15	6.54	---	---	---	1959
1960	---	---	1.62	19.6	35.9	31.0	20.3	16.3	7.40	6.74	---	---	---	1960
1961	---	---	2.07	12.8	17.2	6.85	1.84	0.730	0.551	1.19	---	---	---	1961
1962	---	---	1.05	8.15	16.2	3.23	1.22	0.591	0.854	1.79	---	---	---	1962
1963	---	---	0.136	9.56	3.99	3.46	13.7	6.12	4.16	2.86	---	---	---	1963
1964	---	---	0.777	6.20	5.37	1.42	0.564	1.45	4.83	5.14	---	---	---	1964
1965	---	---	0.690	8.77	10.4	17.0	17.9	11.2	9.32	5.34	---	---	---	1965
1966	---	---	1.18	9.11	6.86	15.9	20.9	13.6	6.52	4.20	---	---	---	1966
1967	---	---	1.88	3.18	11.2	7.53	3.79	3.57	0.777	2.01	---	---	---	1967
1968	---	---	0.344	2.55	5.39	10.9	6.31	2.98	7.96	6.90	---	---	---	1968
1969	---	---	2.72	12.1	5.78	4.45	2.78	3.06	1.76	11.2	---	---	---	1969
1970	---	---	1.31	15.2	15.8	12.9	47.2	17.5	10.7	7.67	---	---	---	1970
1971	---	---	1.87	19.6	12.3	17.1	32.0	14.3	7.00	7.36	---	---	---	1971
1972	---	---	2.57	21.6	38.1	12.0	7.59	4.41	4.33	5.25	4.20	1.87	---	1972
1973	1.35	2.81	2.92	8.18	18.8	89.2	61.4	26.9	24.4	16.8	23.7	20.9	24.8	1973
1974	6.92	6.09	5.45	45.1	60.4	39.3	32.5	27.1	24.7	19.2	11.5	13.2	24.4	1974
1975	7.77	5.10	4.57	14.3	32.3	26.3	12.6	7.46	4.30	4.26	2.03	1.26	10.2	1975
1976	0.997	1.49	1.84	8.71	4.42	9.87	14.3	7.01	2.62	2.44	1.36	0.547	4.64	1976
1977	0.562	0.565	0.575	3.25	5.40	5.72	4.03	6.18	6.55	6.60	3.14	1.10	3.65	1977
1978	0.918	0.738	0.707	13.1	26.2	25.0	7.74	5.50	11.5	12.8	14.8	14.3	11.2	1978
1979	5.19	3.74	3.64	17.5	44.7	19.7	8.51	2.15	3.60	3.25	3.01	1.69	9.76	1979
1980	1.01	1.08	1.21	8.03	4.23	2.04	3.24	5.95	14.1	17.1	5.66	2.18	5.49	1980
1981	2.40	2.30	3.05	8.44	11.6	10.5	4.46	2.44	1.07	2.71	2.18	1.05	4.35	1981
1982	0.478	0.367	0.464	7.48	7.15	9.01	8.49	8.75	8.20	7.66	3.31	1.49	5.26	1982
1983	1.65	1.24	1.24	12.0	31.6	32.3	22.8	4.03	6.29	5.42	4.28	1.77	10.4	1983
1984	1.13	0.855	1.07	15.2	32.8	53.0	11.1	2.33	4.03	5.58	3.70	2.66	11.1	1984
1985	1.36	0.612	0.945	48.4	78.9	57.1	22.7	7.18	5.46	5.53	2.14	1.20	19.3	1985
1986	1.42	1.38	1.38	8.97	45.5	14.2	5.79	6.77	2.87	4.31	2.24	1.84	8.12	1986
1987	1.66	1.99	1.49	11.1	9.69	10.2	10.1	9.38	3.63	3.88	3.16	1.60	5.67	1987
1988	0.727	0.880	1.27	6.39	10.8	5.49	2.00	2.56	2.47	2.09	1.62	1.17	3.11	1988
1989	0.690	0.585	0.598	3.55	4.97	2.94	2.65	0.922	1.71	1.52	1.30	1.02	1.88	1989
1990	0.669	0.682	0.943	5.00	12.1	6.25	14.2	1.34	0.503	1.29	0.999	0.693	3.75	1990
MEAN	2.06	1.81	1.74	15.1	21.5	17.4	13.7	8.70	7.47	6.54	4.96	3.77	9.28	MEAN

LOCATION - LAT 53 35 15 N
LONG 104 09 40 W

DRAINAGE AREA, 4 650 km²
REGULATED

TORCH RIVER NEAR LOVE - STATION NO. 05KE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	---	105 ON MAY 02	---	---	1951
1952	---	32.3 ON MAY 07	---	---	1952
1953	---	43.0 ON APR 25	---	---	1953
1954	---	161 ON AUG 25	---	---	1954
1955	---	170 B ON APR 10 *	---	---	1955
1956	---	85.0 E ON MAY 05	---	---	1956
1957	---	149 B ON APR 24	0 B ON MAR 01 *	---	1957
1958	---	56.1 ON APR 21	---	---	1958
1959	---	36.5 B ON APR 14	---	---	1959
1960	---	71.9 ON MAY 26	---	---	1960
1961	50.1 AT 17:30 CST ON APR 24	39.4 ON APR 24	---	---	1961
1962	---	31.7 B ON APR 23	---	---	1962
1963	---	35.4 ON JUL 20	---	---	1963
1964	---	18.6 B ON APR 16	---	---	1964
1965	---	26.7 ON JUL 25	---	---	* 1965
1966	30.6 AT 13:00 CST ON JUL 23	29.2 ON JUL 23	---	---	1966
1967	---	19.3 B ON MAY 01	---	---	1967
1968	21.8 AT 09:00 CST ON JUN 02	20.9 ON JUN 03	---	---	1968
1969	---	33.4 ON APR 15	---	---	1969
1970	100 AT 15:30 CST ON JUL 04	100 ON JUL 04	---	---	1970
1971	85.0B AT 12:20 CST ON APR 15	49.6 ON APR 19	---	---	1971
1972	131 AT 20:04 CST ON APR 27	117 ON APR 28	---	---	1972
1973	151 AT 16:18 CST ON JUN 11	150 ON JUN 11	0.524B ON JAN 16	783 000	1973
1974	173 B AT 16:01 CST ON APR 19 *	126 ON APR 23	5.01 B ON MAR 28	769 000	1974
1975	49.3 AT 00:01 CST ON MAY 01	49.0 ON APR 30	0.963B ON DEC 31	322 000	1975
1976	26.9 AT 04:25 CST ON JUL 17	26.8 ON JUL 17	0.518B ON JAN 15	147 000	1976
1977	16.3 AT 19:53 CST ON MAY 30	16.0 ON MAY 30	0.538B ON JAN 01	115 000	1977
1978	---	37.4 ON APR 30	0.261B ON MAR 02	352 000	1978
1979	81.1 AT 23:27 CST ON MAY 20	80.4 ON MAY 20	0.300B ON DEC 10	308 000	1979
1980	35.5B AT 15:52 CST ON APR 18	19.2 ON SEP 28	0.798B ON JAN 31	174 000	1980
1981	15.3 AT 12:49 CST ON MAY 05	15.2 ON MAY 05	0.501B ON DEC 21	137 000	1981
1982	---	20.5 B ON APR 25	0.240B ON FEB 02	166 000	1982
1983	50.9 AT 07:40 CST ON APR 25	48.2 ON APR 25	0.687B ON DEC 20	328 000	1983
1984	78.7 AT 23:33 CST ON MAY 24	78.2 ON MAY 25	0.681B ON FEB 16	351 000	1984
1985	143 AT 19:46 CST ON APR 23	136 ON APR 24	0.273B ON FEB 08	610 000	1985
1986	92.3 AT 05:30 CST ON MAY 18	92.0 ON MAY 18	0.758B ON JAN 15	256 000	1986
1987	---	18.0 B ON APR 09	0.807B ON DEC 28	179 000	1987
1988	---	14.1 ON MAY 01	0.454B ON JAN 09	98 200	1988
1989	---	7.31B ON APR 21	0.272B ON MAR 04	59 200	1989
1990	29.8 AT 09:00 CST ON JUL 13	28.8 ON JUL 13	0.332B ON MAR 14	118 000	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		293 000	MEAN

TURTLELAKE RIVER NEAR TURTLEFORD - STATION NO. 05EG005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.110	2.00	0.753	0.437	0.296	0.098	0.077	0.102	---	---	0.480	1966
1967	---	---	0	0.078	0.408	0.079	0.168	0.103	0.024	0.102	---	---	0.121	1967
1968	---	---	2.11	1.09	0.305	0.212	0.161	0.147	0.135	0.171	---	---	0.543	1968
1969	---	---	0.012	3.34	0.494	0.096	0.076	0.051	0.181	0.144	---	---	0.542	1969
1970	---	---	0.102	1.99	0.302	0.503	0.922	0.063	0.116	0.134	---	---	0.512	1970
1971	---	---	0.109	1.28	0.224	0.154	0.281	0.363	0.094	0.115	---	---	0.325	1971
1972	---	---	0.143	1.95	0.515	0.194	0.151	0.073	0.132	0.111	---	---	0.404	1972
1973	---	---	0.021	0.917	0.529	0.450	0.396	0.061	0.069	0.139	---	---	0.321	1973
1974	---	---	0.001	5.34	2.58	2.84	1.99	1.59	1.23	0.765	---	---	2.03	1974
1975	---	---	0.530	1.73	2.11	2.34	3.26	2.26	1.11	0.394	---	---	1.72	1975
1976	---	---	0.558	1.28	0.354	0.293	0.259	0.171	0.320	0.248	---	---	0.433	1976
1977	---	---	0	0.696	0.476	0.141	0.360	0.139	0.137	0.097	---	---	0.255	1977
1978	---	---	0.181	0.701	2.04	2.64	1.07	0.578	0.311	0.238	---	---	1.02	1978
1979	---	---	0.066	1.88	1.47	1.49	1.34	0.836	0.099	0.165	---	---	0.916	1979
1980	---	---	0.110	0.664	0.203	0.094	0.026	0.143	0.135	0.105	---	---	0.184	1980
1981	---	---	0.354	1.33	0.365	0.110	0.095	0.029	0.017	0.145	---	---	0.304	1981
1982	---	---	0.094	0.498	0.085	0.084	0.052	0.043	0.034	0.133	---	---	0.127	1982
1983	---	---	0.129	0.817	0.166	0.061	0.074	0.018	0.112	0.062	---	---	0.178	1983
1984	---	---	0.266	0.838	0.920	0.529	0.161	0.025	0.047	0.140	---	---	0.364	1984
1985	---	---	0.090	1.57	0.930	1.04	1.11	1.14	0.495	0.257	---	---	0.826	1985
1986	---	---	0.700	1.13	0.722	0.614	1.68	2.19	0.789	0.600	---	---	1.06	1986
1987	---	---	0.284	2.54	0.920	0.296	0.155	0.130	0.055	0.162	---	---	0.564	1987
1988	---	---	0.072	0.621	0.218	0.759	0.374	0.309	0.257	0.300	---	---	0.372	1988
1989	---	---	0.145	1.01	0.289	0.881	1.13	0.612	0.457	0.305	---	---	0.601	1989
1990	---	---	0.745	1.95	1.02	0.720	0.890	0.283	0.025	0.085	---	---	0.713	1990
MEAN	---	---	0.277	1.49	0.736	0.682	0.659	0.477	0.258	0.209	---	---	0.597	MEAN

LOCATION - LAT 53 22 37 N DRAINAGE AREA, 2 310 km²
LONG 108 57 04 W NATURAL FLOW

TURTLELAKE RIVER NEAR TURTLEFORD - STATION NO. 05EG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	5.07 B ON APR 07	0.040 ON AUG 25	10 200	1966
1967	---	0.620B ON MAY 02	0 B ON MAR 01 *	2 560	1967
1968	---	3.41 B ON MAR 28	0.028 ON AUG 18	11 500	1968
1969	---	16.5 B ON APR 12	0 B ON MAR 01	11 500	1969
1970	---	6.26 B ON APR 18	0 B ON APR 04	10 800	1970
1971	3.85B AT 03:44 CST ON APR 16	1.09 B ON APR 16	0.015 ON AUG 31	6 880	1971
1972	6.51B AT 17:47 CST ON APR 16	1.30 B ON APR 16	0 B ON MAR 01	8 550	1972
1973	1.90 AT 07:50 CST ON JUL 02	1.59 ON JUL 02	0 B ON MAR 01	6 800	1973
1974	28.9 AT 19:45 CST ON APR 19 *	26.2 ON APR 19 *	0 B ON MAR 01	43 000	1974
1975	---	9.06 B ON APR 25	0.252B ON OCT 29	36 300	1975
1976	---	2.21 B ON APR 05	0.005 ON JUL 27	9 170	1976
1977	---	4.02 B ON APR 10	0 B ON MAR 01	5 400	1977
1978	3.11 AT 20:09 CST ON JUN 23	2.89 ON JUN 23	0.028B ON MAR 01	21 500	1978
1979	7.99B AT 22:37 CST ON APR 25	6.72 B ON APR 26	0.009 ON SEP 04	19 400	1979
1980	2.10 AT 19:59 CST ON APR 19	1.80 ON APR 19	0.003 ON JUL 10	3 890	1980
1981	5.14B AT 10:59 CST ON APR 01	4.65 B ON APR 01	0.001 ON AUG 20	6 420	1981
1982	1.71 AT 04:20 CST ON JUN 19	1.34 B ON APR 15	0.003 ON AUG 11	2 690	1982
1983	2.00 AT 11:41 CST ON APR 19	1.39 ON APR 06	0.001 ON JUN 05	3 760	1983
1984	2.93 AT 11:43 CST ON MAY 17	2.27 ON APR 03	0.001 ON AUG 01	7 710	1984
1985	4.89B AT 01:56 CST ON APR 10	4.41 B ON APR 14	0.062B ON MAR 28	17 500	1985
1986	14.2 AT 06:38 CST ON JUL 30	12.3 ON JUL 30	0.031E ON JUN 06	22 400	1986
1987	10.7 B AT 04:25 CST ON APR 07	8.35 B ON APR 07	0.049 ON SEP 21	11 900	1987
1988	3.68 AT 04:36 CST ON MAY 31	2.82 ON JUN 02	0.008 ON AUG 01	7 870	1988
1989	---	1.97 B ON APR 13	0.082B ON MAR 01	12 700	1989
1990	5.59B AT 17:05 CST ON APR 04	4.40 B ON APR 04	0.005 ON SEP 16	15 100	1990
				12 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNNAMED CREEK NEAR CUTBANK - STATION NO. 05HF022

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.307	---	---	---	---	---	---	---	---	---	---	1970
1973	---	---	0.081	0.001	---	---	---	---	---	---	---	---	---	1973
1975	---	---	0	0.231	0.017	0	0	0	0	0	---	---	0.030	1975
1976	---	---	0.144	0.596	0	0.504	0.002	0	0	0	---	---	0.153	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.006	0.002	0	0	0	0	0	---	---	0.001	1978
1979	---	---	0.014	0.345	0.029	0	0	0	0	0	---	---	0.048	1979
1980	---	---	0.072	0.038	0	0	0	0	0	0	---	---	0.014	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0.026	0.290	0.005	0	0	0	0	0	---	---	0.039	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0.012	0	0	0	0	0	0	---	---	0.001	1984
1985	---	---	0.358	0.138	0.029	0	0	0	0	0	---	---	0.066	1985
1986	---	0	0.061	0	0	0	0	0	0	0	---	---	0.008	1986
1987	---	---	0.071	0.072	0.010	0	0	0	0	0	---	---	0.019	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	0	0.062	0.005	0	0.001	0	0	0	0	---	---	0.009	1990
MEAN	---	0	0.066	0.102	0.006	0.032	0	0	0	0	---	---	0.024	MEAN

LOCATION - LAT 51 21 28 N LONG 106 52 15 W
DRAINAGE AREA, 169 km²
NATURAL FLOW

UNNAMED CREEK NEAR CUTBANK - STATION NO. 05HF022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1973	---	---	---	---	1973
1975	---	---	---	---	1975
1976	8.52 AT 18:55 CST ON JUN 09 *	1.63 ON APR 17	0B ON MAR 01 *	646	1976
1977	0.056 AT 18:15 CST ON MAY 15	5.41 ON APR 01 *	0B ON MAR 01	3 240	1977
1978	0.045 AT 01:57 CST ON MAY 02	0.002R ON MAY 15	0B ON MAR 01	0.173	1978
1979	1.64 AT 03:46 CST ON APR 19	0.028 ON MAY 02	0 ON MAR 01	20.4	1979
1980	0.971B AT 12:19 CST ON MAR 29	1.51 ON APR 19	0B ON MAR 01	1 010	1980
1981	---	0.668B ON MAR 29	0B ON MAR 01	292	1981
1982	2.26 B AT 12:30 CST ON APR 12	0 ON MAR 01	0 ON MAR 01	0	1982
1983	0.054 AT 19:59 CST ON JUL 20	1.76 ON APR 13	0B ON MAR 01	835	1983
1984	0.186 AT 12:50 CST ON APR 23	0.007 ON MAY 10	0B ON MAR 01	1.81	1984
1985	3.00 AT 15:55 CST ON MAR 21	0.143 ON APR 23	0 ON MAR 01	30.9	1985
1986	0.680B AT 15:50 CST ON MAR 03	1.89 ON MAR 22	0B ON MAR 01	1 390	1986
1987	0.774B AT 12:16 CST ON APR 01	0.370B ON MAR 03	0 ON APR 02	154	1987
1988	0 AT 00:00 CST ON MAR 01	0.510B ON APR 01	0B ON MAR 01	403	1988
1989	0.016 AT 16:50 CST ON MAR 24	0 ON MAR 01	0 ON MAR 01	0	1989
1990	0.350 AT 00:31 CST ON MAR 08	0.001 ON MAR 24	0 ON MAR 01	0.173	1990
		0.286 ON MAR 08	0B ON MAR 03	182	MEAN
				513	

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

UNNAMED CREEK NEAR GLENSIDE - STATION NO. 05HG018

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.183	0.109	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	0.211	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0.086	---	---	---	---	---	---	---	---	---	---	1972
1973	---	---	0.118	---	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	0.428	0.002	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.077	0.002	0	0	0	0	0	---	---	0.010	1975
1976	---	---	0.114	0.372	0	0.132	0	0	0	0	---	---	0.076	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0.001	0.116	0	0	0	0	0	0	---	---	0.014	1979
MEAN	---	---	0.063	0.164	0.001	0.026	0	0	0	0	---	---	0.020	MEAN

LOCATION - LAT 51 26 44 N
LONG 106 49 06 W
DRAINAGE AREA, 31.6 km²
NATURAL FLOW

UNNAMED CREEK NEAR GLENSIDE - STATION NO. 05HG018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	0.685B ON APR 15	0B ON MAR 01 *	206	1975
1976	3.60B AT 07:12 CST ON APR 01 *	3.45 B ON APR 01 *	0B ON MAR 01	1 610	1976
1977	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1977
1978	---	0.001B ON MAR 23	0B ON MAR 01	0.518	1978
1979	1.03A AT 16:00 CST ON APR 17	0.799 ON APR 17	0B ON MAR 01	301	1979
				424	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VAL MARIE PUMP NO. 1 - STATION NO. 11AC068

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	0	0	0.062	0.066	0.020	0	0	0	---	---	0.018	1961
1962	---	---	0	0	0.068	0.018	0	0.037	0.007	0	---	---	0.016	1962
1963	---	---	0	0	0.020	0.041	0.032	0.056	0	0	---	---	0.019	1963
1964	---	---	0	0	0.032	0.078	0.026	0.042	0.009	0	---	---	0.023	1964
1965	---	---	0	0	0	0.046	0	0.027	0.039	0	---	---	0.014	1965
1966	---	---	0	0	0.014	0.079	0.030	0.057	0	0	---	---	0.022	1966
1967	---	---	0	0	0	0.062	0.029	0.039	0.015	0	---	---	0.018	1967
1968	---	---	0	0	0.036	0.017	0.059	0.020	0	0	---	---	0.017	1968
1969	---	---	0	0	0.004	0.051	0	0.026	0	0	---	---	0.010	1969
1970	---	---	0	0	0	0.028	0.017	0.006	0	0	---	---	0.006	1970
1971	---	---	0	0	0.030	0.026	0.059	0.010	0	0	---	---	0.016	1971
1972	---	---	0	0	0.050	0.036	0.057	0.011	0	0	---	---	0.019	1972
1973	---	---	0	0	0.077	0.023	0.063	0.015	0	0	---	---	0.022	1973
1974	---	---	0	0	0	0.057	0.053	0.038	0	0	---	---	0.019	1974
1975	---	---	0	0	0	0.030	0.052	0.015	0	0	---	---	0.012	1975
1976	---	---	0	0	0.098	0	0.050	0.016	0	0	---	---	0.021	1976
1977	---	---	0	0	0.101	0	0.072	0.026	0	0	---	---	0.025	1977
1978	---	---	0	0	0.067	0	0.066	0.005	0	0	---	---	0.017	1978
1979	---	---	0	0	0.062	0	0.072	0	0	0	---	---	0.017	1979
1980	---	---	0	0	0.064	0	0.080	0	0	0	---	---	0.018	1980
1981	---	---	0	0	0.074	0	0	0	0	0	---	---	0.009	1981
1982	---	---	0	0	0.057	0.021	0.045	0.041	0	0	---	---	0.021	1982
1983	---	---	0	0	0.049	0.035	0.070	0	0	0	---	---	0.019	1983
1984	---	---	0	0.040	0.038	0	0	0	0	0	---	---	0.010	1984
1985	---	---	0	0	0.104	0	0	0	0	0	---	---	0.013	1985
1986	---	---	0	0	0	0.132	0.037	0	0	0	---	---	0.021	1986
1987	---	---	0	0	0.083	0	0.089	0	0	0	---	---	0.022	1987
1988	---	---	0	0	0.109	0	0	0	0	0	---	---	0.014	1988
1989	---	---	0	0	0.099	0	0	0	0	0	---	---	0.012	1989
1990	---	---	0	0	0.097	0	0.059	0.039	0	0	---	---	0.025	1990
MEAN	---	---	0	0.001	0.050	0.028	0.038	0.018	0.002	0	---	---	0.017	MEAN

LOCATION - LAT 49 21 44 N
LONG 107 50 55 W
REGULATED

VAL MARIE PUMP NO. 1 - STATION NO. 11AC068

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	0.099 ON MAY 12	0 ON MAR 01 *	389	1961
1962	---	0.099 ON AUG 16	0 ON MAR 01	346	1962
1963	---	0.093 ON AUG 18	0 ON MAR 01	394	1963
1964	---	0.085 ON MAY 20	0 ON MAR 01	490	1964
1965	---	0.102 ON JUN 11	0 ON MAR 01	293	1965
1966	---	0.136 ON JUL 26	0 ON MAR 01	475	1966
1967	---	0.093 ON JUN 08	0 ON MAR 01	383	1967
1968	---	0.108 ON JUL 13	0 ON MAR 01	352	1968
1969	---	0.088 ON AUG 16	0 ON MAR 01	213	1969
1970	---	0.108 ON JUN 03	0 ON MAR 01	133	1970
1971	---	0.093 ON JUL 18	0 ON MAR 01	333	1971
1972	---	0.102 ON JUL 07	0 ON MAR 01	408	1972
1973	---	0.099 ON MAY 08	0 ON MAR 01	474	1973
1974	---	0.093 ON JUL 19	0 ON MAR 01	394	1974
1975	---	0.190 ON JUL 28	0 ON MAR 01	259	1975
1976	---	0.294 ON MAY 22	0 ON MAR 01	440	1976
1977	---	0.396 ON JUL 22 *	0 ON MAR 01	535	1977
1978	---	0.385 ON JUL 31	0 ON MAR 01	369	1978
1979	---	0.357 ON MAY 26	0 ON MAR 01	360	1979
1980	---	0.375 ON JUL 27	0 ON MAR 01	387	1980
1981	---	0.309 ON MAY 24	0 ON MAR 01	197	1981
1982	---	0.328 ON JUL 30	0 ON MAR 01	437	1982
1983	---	0.284 ON MAY 27	0 ON MAR 01	408	1983
1984	---	0.271 ON APR 26	0 ON MAR 01	205	1984
1985	---	0.294 ON MAY 15	0 ON MAR 01	279	1985
1986	---	0.364 ON JUN 04	0 ON MAR 01	440	1986
1987	---	0.270 ON JUL 14	0 ON MAR 01	461	1987
1988	---	0.245 ON MAY 15	0 ON MAR 01	292	1988
1989	---	0.247 ON MAY 20	0 ON MAR 01	264	1989
1990	---	0.245 ON MAY 30	0 ON MAR 01	521	1990
				364	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VAL MARIE PUMP NO. 2 - STATION NO. 11AC069

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	0	0	0	0.001	0.030	0.008	0	0	---	---	---	1961
1962	---	---	0	0	0	0.023	0.012	0	0.007	0	---	---	---	1962
1963	---	---	0	0	0.009	0	0.019	0.017	0.002	0	---	---	---	1963
1964	---	---	0	0	0.012	0.012	0.017	0.008	0.002	0	---	---	---	1964
1965	---	---	0	0	0	0.019	0	0.039	0	0	---	---	---	1965
1966	---	---	0	0	0	0.014	0	0.013	0	0	---	---	---	1966
1967	---	---	0	0	0	0.019	0.026	0	0	0	---	---	---	1967
1968	---	---	0	0	0.034	0	0.017	0.019	0	0	---	---	---	1968
1969	---	---	0	0	0.002	0.032	0	0.017	0	0	---	---	---	1969
1970	---	---	0	0	0.023	0	0	0.022	0	0	---	---	---	1970
1971	---	---	0	0	0	0.038	0.021	0.014	0	0	---	---	---	1971
1972	---	---	0	0	0	0.007	0.008	0	0	0	---	---	---	1972
1973	---	---	0	0	0.020	0.005	0.020	0	0	0	---	---	---	1973
1974	---	---	0	0	0	0.022	0.011	0	0	0	---	---	---	1974
1975	---	---	0	0	0	0.009	0.015	0.001	0	0	---	---	---	1975
1976	---	---	0	0	0.011	0.013	0.009	0.004	0	0	---	---	---	1976
1977	---	---	0	0	0.023	0	0.019	0	0	0	---	---	---	1977
1978	---	---	0	0	0.015	0	0	0.007	0	0	---	---	---	1978
1979	---	---	0	0	0	0.010	0.012	0.003	0	0	---	---	---	1979
1980	---	---	0	0	0.026	0	0.007	0	0	0	---	---	---	1980
MEAN	---	---	0	0	0.009	0.011	0.012	0.009	0.001	0	---	---	---	MEAN

LOCATION - LAT 49 21 01 N
LONG 107 49 46 W

REGULATED

REMARKS - DISCHARGES COMPUTED FROM PUMPING RECORDS

VAL MARIE PUMP NO. 2 - STATION NO. 11AC069

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	---	---	---	---	1977
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	---	---	---	---	1980
				---	MEAN

VAN PATTENS CREEK NEAR KUROKI - STATION NO. 05MB011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	0.440	0	---	---	---	---	---	---	---	---	1962
1963	---	---	0.054	0.091	0.004	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.045	0.037	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.314	0.005	---	---	---	---	---	---	---	---	1965
1966	---	---	---	1.03	0.108	0	---	---	---	---	---	---	---	1966
1967	---	---	---	0.538	0.242	---	---	---	---	---	---	---	---	1967
1968	---	---	0.114	0.041	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	0.694	0.006	---	---	---	---	---	---	---	---	1969
1970	---	---	---	0.754	0.157	---	---	---	---	---	---	---	---	1970
1971	---	---	---	0.786	0.035	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	0.476	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.018	0.004	0.023	0.083	---	---	---	---	---	---	1973
1974	---	---	---	---	0.677	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.08	0.606	0.173	0.011	0	0	0	---	---	0.231	1975
1976	---	---	0	1.59	0.131	0.095	0.026	0	0	0	---	---	0.227	1976
1977	---	---	0	0.113	0.008	0	0	0	0	0	---	---	0.015	1977
1978	---	---	0	0.375	0.005	0.003	0.071	0	0.003	0.016	---	---	0.059	1978
1979	---	---	0	1.61	1.49	0.047	0.001	0	0	0	---	---	0.391	1979
1980	---	---	0	0.796	0.006	0	0	0	0	0	---	---	0.098	1980
1981	---	0	0.063	0.136	0.003	0	0.002	0	0	0	---	---	0.025	1981
1982	---	---	0	0.203	0.008	0.002	0	0	0	0	---	---	0.026	1982
1983	---	---	0	0.671	0.148	0.012	0.279	0.034	0.001	0	---	---	0.142	1983
1984	---	---	0.171	0.613	0.093	0.026	0.014	0	0	0	---	---	0.113	1984
1985	---	---	0.010	1.44	0.161	0.022	0	0	0	0	---	---	0.201	1985
1986	---	---	0.120	0.499	0.043	0.006	0	0	0	0	---	---	0.082	1986
1987	---	---	0	0.552	0.002	0.003	0	0	0	0	---	---	0.068	1987
MEAN	---	0	0.035	0.601	0.178	0.027	0.035	0.003	0	0.001	---	---	0.129	MEAN

LOCATION - LAT 51 52 03 N DRAINAGE AREA, 113 km^2
LONG 103 35 11 W NATURAL FLOW

VAN PATTENS CREEK NEAR KUROKI - STATION NO. 05MB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	7.22 AT 14:38 CST ON APR 29	6.54 ON APR 29	0B ON MAR 01 *	4 890	1975
1976	---	8.50 ON APR 11 *	0B ON MAR 01	4 800	1976
1977	---	0.883 ON APR 12	0B ON MAR 01	315	1977
1978	2.37 AT 12:16 CST ON APR 12	1.59 B ON APR 10	0B ON MAR 01	1 240	1978
1979	10.6 AT 19:21 CST ON APR 24 *	8.20 B ON APR 24	0B ON MAR 01	8 280	1979
1980	2.97 B AT 17:22 CST ON APR 09	2.29 B ON APR 10	0B ON MAR 01	2 080	1980
1981	0.791 AT 12:26 CST ON APR 03	0.760 ON APR 03	0B ON MAR 01	535	1981
1982	1.75 B AT 09:20 CST ON APR 16	1.08 B ON APR 16	0B ON MAR 01	551	1982
1983	5.62 AT 22:40 CST ON APR 22	4.72 ON APR 23	0B ON MAR 01	3 010	1983
1984	2.12 B AT 11:12 CST ON MAR 30	1.84 B ON APR 02	0B ON MAR 01	2 400	1984
1985	3.98 AT 03:09 CST ON APR 11	3.91 B ON APR 11	0B ON MAR 01	4 250	1985
1986	3.59 B AT 10:15 CST ON MAR 31	2.39 B ON MAR 31	0B ON MAR 01	1 740	1986
1987	3.80 AT 09:37 CST ON APR 06	3.68 ON APR 06	0B ON MAR 01	1 440	1987
				2 730	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

VIDORA DITCH NEAR CONSUL - STATION NO. 11AB084

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	0	0	0	0.005	0.284	0.287	0.044	0.006	0.002	---	0.079	1953
1954	---	---	0	0	0.136	0.223	0.264	0.116	0	0	---	---	0.093	1954
1955	---	---	0	0	0	0.120	0.019	0.297	0.141	0.215	---	---	0.099	1955
1956	---	---	0	0	0.017	0.539	0.358	0.066	0.202	0.041	---	---	0.152	1956
1957	---	---	0	0.028	0.255	0.190	0.522	0.058	0.210	0	---	---	0.158	1957
1958	---	---	0.006	0.020	0.130	0.204	0.417	0.165	0.246	0	---	---	0.151	1958
1959	---	---	0	0.012	0.123	0.627	0.022	0.020	0.214	0	---	---	0.125	1959
1960	---	---	0	0.026	0	0.557	0.455	0.089	0	0	---	---	0.140	1960
1961	---	---	0	0	0.511	0.438	0.442	0	0	0.015	---	---	0.176	1961
1962	---	---	0	0	0.597	0.330	0.174	0	0	0	---	---	0.138	1962
1963	---	---	0	0	0.456	0.298	0	0	0	0	---	---	0.094	1963
1964	---	---	0	0	0.138	0.760	0	0	0	0	---	---	0.111	1964
1965	---	---	0	0	0.629	0.252	0	0.480	0	0	---	---	0.171	1965
1966	---	---	0	0	0.640	0.129	0.359	0.283	0	0	---	---	0.178	1966
1967	---	---	0	0	0.117	0.728	0.871	0.545	0	0	---	---	0.283	1967
1968	---	---	0	0	0.824	0	0.980	0.037	0	0	---	---	0.234	1968
1969	---	---	0	0	0.589	0.092	0.675	0.251	0	0	---	---	0.203	1969
1970	---	---	0	0	0.785	0.707	0.770	0.055	0	0	---	---	0.290	1970
1971	---	---	0	0	0.690	0.584	0.602	0.333	0	0	---	---	0.277	1971
1972	---	---	0	0	0.901	0	0.453	0.333	0	0	---	---	0.213	1972
1973	---	---	0	0	0.834	0	0.803	0.100	0	0	---	---	0.220	1973
1974	---	---	0	0	0	1.10	0.663	0.086	0	0	---	---	0.229	1974
1975	---	---	0	0	0	0.757	0.414	0.113	0	0	---	---	0.159	1975
1976	---	---	0	0	0.656	0	0.611	0.111	0	0	---	---	0.174	1976
1977	---	---	0	0	0.470	0.526	0.737	0	0	0	---	---	0.217	1977
1978	---	---	0	0	0.063	0.685	0.030	0	0	0	---	---	0.096	1978
1979	---	---	0	0	0	0.684	0.675	0	0	0	---	---	0.169	1979
1980	---	---	0	0	1.02	0	0.682	0.027	0	0	---	---	0.218	1980
1981	---	---	0	0	0.938	0.010	0	0	0	0	---	---	0.120	1981
1982	---	---	0	0	0	0.935	0.051	0	0	0	---	---	0.121	1982
1983	---	---	0	0	0.675	0.426	0	0	0	0	---	---	0.138	1983
1984	---	---	0	0	0.553	0	0	0	0	0	---	---	0.070	1984
1985	---	---	0	0	0.597	0.642	0	0	0	0	---	---	0.154	1985
1986	---	---	0	0	0.156	0.871	0	0	0	0	---	---	0.126	1986
1987	---	---	0	0	0.719	0.208	0	0	0	0	---	---	0.116	1987
1988	---	---	0	0	1.20	0	0	0	0	0	---	---	0.152	1988
1989	---	---	0	0	1.01	0.007	0	0	0	0	---	---	0.129	1989
1990	---	---	0	0	0.807	0.112	0	0	0	0	---	---	0.116	1990
MEAN	---	---	0	0.002	0.454	0.362	0.325	0.101	0.028	0.007	0.002	---	0.160	MEAN

LOCATION - LAT 49 27 27 N
LONG 109 35 30 W REGULATED

INTERNATIONAL GAUGING STATION

VIDORA DITCH NEAR CONSUL - STATION NO. 11AB084

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1953	---				
1954	---	0.515 ON JUL 23 0.648 ON AUG 03	0 ON MAR 01 * 0B ON MAR 01	1 670 1 960	1953 1954
1955	---				
1956	---	0.609 ON JUN 25	0 ON MAR 01	2 100	1955
1957	---	0.861 ON JUL 27	0 ON MAR 01	3 210	1956
1958	---	1.06 ON JUL 19	0 ON MAR 01	3 340	1957
1959	---	0.600 ON JUL 26 0.912 ON JUN 28	0B ON MAR 01 0 ON MAR 01	3 190 2 650	1958 1959
1960	---				
1961	---	0.728 ON JUN 14	0 ON MAR 01	2 970	1960
1962	---	1.07 ON JUL 16	0 ON MAR 01	3 730	1961
1963	---	1.63 ON JUL 01	0B ON MAR 01	2 920	1962
1964	---	1.04 ON MAY 18 1.28 E ON JUN 18	0B ON MAR 01 0 ON MAR 01	1 990 2 340	1963 1964
1965	---				
1966	---	1.80 ON MAY 23	0 ON MAR 01	3 620	1965
1967	---	2.15 ON MAY 24	0 ON MAR 01	3 770	1966
1968	---	2.06 ON JUN 08	0B ON MAR 01	5 990	1967
1969	---	2.13 ON MAY 22 1.76 ON JUL 22	0 ON MAR 01 0 ON MAR 01	4 950 4 300	1968 1969
1970	---				
1971	---	2.08 ON JUL 23	0 ON MAR 01	6 140	1970
1972	---	2.15 ON JUN 09	0 ON MAR 01	5 870	1971
1973	---	1.94 ON MAY 24	0 ON MAR 01	4 520	1972
1974	---	1.65 ON MAY 25 2.23 ON JUN 17	0 ON MAR 01 0 ON MAR 01	4 650 4 860	1973 1974
1975	---				
1976	---	2.74 ON JUN 12	0 ON MAR 01	3 380	1975
1977	---	1.85 ON MAY 26	0 ON MAR 01	3 690	1976
1978	---	1.96 ON JUN 01	0 ON MAR 01	4 590	1977
1979	---	1.33 ON JUN 07 1.89 ON JUN 09	0 ON MAR 01 0 ON MAR 01	2 030 3 580	1978 1979
1980	---				
1981	---	1.96 ON MAY 25	0 ON MAR 01	4 620	1980
1982	---	1.76 ON MAY 18	0 ON MAR 01	2 540	1981
1983	---	1.56 ON JUN 29	0 ON MAR 01	2 560	1982
1984	---	1.97 ON JUN 05 1.20 ON MAY 05	0 ON MAR 01 0B ON MAR 01	2 910 1 480	1983 1984
1985	---				
1986	---	1.49 ON MAY 22	0 ON MAR 01	3 260	1985
1987	---	1.60 ON MAY 31	0 ON MAR 01	2 680	1986
1988	---	1.86 ON MAY 23	0 ON MAR 01	2 470	1987
1989	---	2.86 ON MAY 26 * 2.35 ON MAY 26	0 ON MAR 01 0B ON MAR 01	3 220 2 740	1988 1989
1990	---	1.62 ON JUN 02	0 ON MAR 01	2 450	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 390	MEAN

VIDORA DITCH NEAR CONSUL (LOWER STATION) - STATION NO. 11AB116

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0	0.690	0	0.617	0.110	0	0	---	---	0.205	1973
1974	---	---	---	0	0	0.859	0.598	0.095	0	0	---	---	0.221	1974
1975	---	---	0	0	0	0.566	0.352	0.132	0	0	---	---	0.149	1975
MEAN	---	---	0	0	0.230	0.475	0.522	0.112	0	0	---	---	0.192	MEAN

LOCATION - LAT 49 22 40 N
LONG 109 29 54 W REGULATED

VIDORA DITCH NEAR CONSUL (LOWER STATION) - STATION NO. 11AB116

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	1.50 ON MAY 12	0 ON APR 01 *	3 800	1973
1974	---	1.83 ON JUN 11	0 ON APR 01	4 080	1974
1975	---	2.05 ON JUN 12 *	0 ON APR 01	2 760	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 550	MEAN

WASCANA CREEK AT REGINA - STATION NO. 05JF003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	5.21	---	---	---	---	---	---	---	---	---	1924
1925	---	---	3.70	14.2	0.435	---	---	---	---	---	---	---	---	1925
1927	---	---	---	23.3	3.91	---	---	---	---	---	---	---	---	1927
1928	---	---	6.13	5.67	---	---	---	---	---	---	---	---	---	1928
1930	---	---	---	1.93	0.234	---	---	---	---	---	---	---	---	1930
1933	---	---	---	0.345	0.370	0.369	0.038	0	0	0	---	---	---	1933
1934	---	---	---	0.350	0.012	0.002	0	0	0	0	---	---	---	1934
1935	---	---	---	0.148	0.194	0.010	0.034	0	0	0	---	---	---	1935
1936	---	---	---	10.4	1.25	0.073	0.007	0.010	0.010	---	---	---	---	1936
1937	---	---	0.002	0.001	0.002	0.018	0.012	0.010	0.067	0.079	---	---	0.024	1937
1938	---	---	0.010	0.514	0.013	0.022	0.074	0.036	0.035	0.032	---	---	0.091	1938
1939	---	---	1.16	1.04	0.015	0.038	0.006	0.009	0.001	0.001	---	---	0.283	1939
1940	---	---	0.002	0.014	0.005	0.012	0.012	0.013	0.021	0.008	---	---	0.011	1940
MEAN	---	---	1.83	4.86	0.585	0.068	0.023	0.010	0.017	0.017	---	---	0.102	MEAN

LOCATION - LAT 50 27 00 N LONG 104 40 00 W DRAINAGE AREA, 3 780 km² REGULATED

WASCANA CREEK AT REGINA - STATION NO. 05JF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	---	0 ON MAR 01 *	---	1925
1927	---	58.6 ON APR 16 *	0 ON APR 02	---	1927
1928	---	---	0 ON MAR 01	---	1928
1930	---	---	0 ON APR 01	---	1930
1933	---	---	0E ON APR 01	---	1933
1934	---	---	0 ON JUN 21	---	1934
1935	---	---	0E ON APR 01	---	1935
1936	---	24.4 ON APR 19	0 ON MAY 11	---	1936
1937	---	0.184 ON OCT 01	0B ON MAR 01	504	1937
1938	---	2.15 ON APR 13	0B ON MAR 01	1 920	1938
1939	---	14.3 B ON MAR 26	0B ON MAR 01	5 990	1939
1940	---	0.235 ON JUN 08	0B ON MAR 01	226	1940
				2 160	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WASCANA CREEK BELOW KRONAU MARSH - STATION NO. 05JF012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	14.5	16.6	---	---	---	---	---	---	---	---	1975
1976	---	---	0.092	25.7	---	---	1.29	0.342	0	---	---	---	---	1976
1977	---	---	0	0.120	0.095	0.084	0.040	0.009	0	0	---	---	0.043	1977
1978	---	---	0.511	2.98	0.361	0.252	0.016	0	0	0	---	---	0.508	1978
1979	---	---	0	9.56	6.45	0.472	0.323	0.006	0	0	---	---	2.09	1979
1980	---	---	0.019	2.73	0.045	0	0	0.172	0.009	0	---	---	0.366	1980
1981	---	---	0.004	0.016	0	0	0.583	0.002	0	0	---	---	0.076	1981
1982	---	---	0	17.8	2.50	0.165	0.863	0.605	0.006	0	---	---	2.70	1982
1983	---	---	0	5.23	1.65	1.01	7.12	0.829	0.013	0.005	---	---	1.98	1983
1984	---	---	2.34	1.41	0.063	0.009	0	0	0	0	---	---	0.477	1984
1985	---	---	1.65	3.93	0.047	0.013	0	0	0	0.012	---	---	0.699	1985
1986	---	---	2.10	0.322	1.83	0.005	0.001	0	0	0.003	---	---	0.538	1986
1987	---	---	0.542	0.707	0.084	0.252	0	0	0	0	---	---	0.197	1987
1988	---	---	0.016	0.062	0.048	0	0	0	0	0	---	---	0.016	1988
1989	---	---	0	0.156	0.028	0.008	0	0	0.012	0.008	---	---	0.026	1989
1990	---	---	3.67	1.45	0.133	0.023	0.016	0.001	0	0	---	---	0.663	1990
MEAN	---	---	0.730	5.42	2.00	0.164	0.683	0.131	0.003	0.002	---	---	0.741	MEAN

LOCATION - LAT 50 21 07 N LONG 104 26 03 W DRAINAGE AREA, 2 980 km² REGULATED

WASCANA CREEK BELOW KRONAU MARSH - STATION NO. 05JF012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	59.5 ON APR 11	0 ON MAR 01 *	---	1976
1977	---	0.416 ON JUN 02	0E ON MAR 01	915	1977
1978	6.97 B AT 13:00 CST ON APR 01	6.65 B ON MAR 31	0B ON MAR 01	10 700	1978
1979	38.5 AT 22:00 CST ON APR 24	37.2 ON APR 25	0B ON MAR 01	44 200	1979
1980	6.92 AT 04:00 CST ON APR 08	6.67 ON APR 08	0B ON MAR 01	7 740	1980
1981	5.60 AT 00:30 CST ON JUL 15	5.19 ON JUL 15	0B ON MAR 01	1 620	1981
1982	67.1 AT 20:35 CST ON APR 19 *	62.8 ON APR 20 *	0B ON MAR 01	57 100	1982
1983	13.6 AT 08:00 CST ON JUL 25	13.5 ON APR 21	0 ON MAR 01	41 900	1983
1984	10.8 AT 17:54 CST ON MAR 28	10.7 ON MAR 26	0B ON MAR 01	10 100	1984
1985	20.6 B AT 11:00 CST ON MAR 31	17.5 B ON MAR 31	0B ON MAR 01	14 800	1985
1986	6.52 AT 16:05 CST ON MAY 10	6.36 ON MAY 10	0B ON MAR 01	11 400	1986
1987	2.21 B AT 19:41 CST ON MAR 26	2.11 B ON MAR 30	0B ON MAR 01	4 160	1987
1988	0.192 AT 09:52 CST ON APR 12	0.172 ON APR 12	0B ON MAR 01	334	1988
1989	---	0.442B ON APR 12	0B ON MAR 01	550	1989
1990	7.28 B AT 01:05 CST ON MAR 22	6.93 B ON MAR 21	0B ON MAR 01	14 000	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 700	MEAN

WASCANA CREEK NEAR LUMSDEN - STATION NO. 05JF005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	---	0.309	0.325	0.331	0.184	0.151	---	---	---	---	---	---	1945
1946	---	---	1.62	0.794	0.240	0.334	0.333	0.157	0.175	0.211	---	---	---	1946
1947	---	---	0.016	20.2	3.65	1.03	0.329	0.285	0.239	0.221	---	---	---	1947
1948	---	---	0.041	20.1	12.5	0.533	0.221	0.156	0.119	0.203	---	---	---	1948
1949	---	---	0.215	0.819	0.714	0.417	0.343	0.241	0.214	0.227	---	---	---	1949
1950	---	---	0.261	5.01	1.47	0.397	0.340	0.224	0.259	0.256	---	---	---	1950
1951	---	---	0.113	7.92	8.33	1.32	0.289	0.140	0.633	0.471	---	---	---	1951
1952	---	---	---	9.68	1.25	0.420	0.379	0.296	0.339	0.259	---	---	---	1952
1953	---	---	1.48	5.71	1.51	2.79	3.71	2.08	0.654	0.300	---	---	---	1953
1954	---	---	0.306	1.99	1.43	2.50	0.946	1.13	0.705	0.457	---	---	---	1954
1955	---	---	0.259	20.0	18.3	1.38	5.99	1.40	0.543	0.387	---	---	---	1955
1956	---	---	0.199	30.5	6.99	1.54	1.34	0.601	0.409	0.421	---	---	---	1956
1957	---	---	3.43	7.37	0.868	0.532	0.382	0.414	0.407	0.313	---	---	---	1957
1958	---	---	0.682	3.40	0.444	0.332	0.485	0.501	0.392	0.418	---	---	---	1958
1959	---	---	0.671	0.796	0.474	0.581	0.346	0.252	0.478	0.500	---	---	---	1959
1960	---	---	0.701	11.9	1.00	3.88	1.13	0.214	0.069	0.444	---	---	---	1960
1961	---	---	0.177	0.531	0.700	0.364	0.528	0.274	0.357	0.582	0.698	---	---	1961
1962	---	---	0.530	2.80	0.853	0.915	0.677	0.702	0.260	0.558	---	---	---	1962
1963	---	---	0.439	0.773	0.599	0.718	1.06	0.553	0.622	0.694	---	---	---	1963
1964	---	---	0.210	1.42	0.604	0.756	1.49	0.611	0.506	0.266	---	---	---	1964
1965	---	---	0.211	5.52	1.99	4.76	1.02	0.560	0.471	0.163	---	---	---	1965
1966	---	---	2.86	7.96	1.00	0.613	0.150	0.373	0.653	0.509	---	---	---	1966
1967	---	---	0.516	13.7	2.24	0.796	0.665	0.894	0.490	0.352	---	---	---	1967
1968	---	---	2.02	1.33	0.588	0.669	0.202	0.770	0.777	0.242	---	---	---	1968
1969	---	---	0.160	25.1	0.997	0.354	0.621	0.245	0.386	0.312	---	---	---	1969
1970	---	---	0.192	11.7	8.69	2.96	0.640	0.384	1.16	0.318	---	---	---	1970
1971	0.362	0.376	1.16	30.8	1.86	0.484	0.548	0.192	0.267	0.209	---	---	---	1971
1972	---	---	2.06	4.52	1.15	0.747	0.816	0.946	0.686	0.431	0.165	0.271	---	1972
1973	0.379	0.419	0.845	1.05	1.20	1.31	1.75	0.798	0.600	0.468	0.330	0.496	0.806	1973
1974	0.513	0.389	0.421	43.8	18.0	2.48	0.898	1.25	1.40	0.633	0.417	0.415	5.87	1974
1975	0.324	0.295	0.612	19.1	23.7	6.82	2.73	0.919	1.08	0.836	0.189	0.432	4.77	1975
1976	0.335	0.432	1.29	40.8	3.74	12.8	3.08	0.949	0.869	0.285	0.464	0.390	5.38	1976
1977	0.240	0.363	0.682	0.982	1.14	0.751	0.942	0.609	0.563	0.234	0.410	0.440	0.615	1977
1978	0.379	0.298	1.22	5.71	1.46	1.28	0.819	0.826	0.945	0.514	0.560	0.499	1.21	1978
1979	0.479	0.482	0.651	14.5	11.4	1.27	0.937	0.601	0.506	0.444	0.386	0.379	2.67	1979
1980	0.347	0.365	1.02	5.80	0.790	0.764	0.939	0.832	0.840	0.786	0.295	0.132	1.07	1980
1981	0.376	0.618	0.757	1.20	0.821	0.934	1.34	0.923	0.969	1.22	0.570	0.576	0.860	1981
1982	0.478	0.362	0.540	32.8	6.51	1.36	1.78	1.17	0.822	0.760	0.633	0.510	3.96	1982
1983	0.564	0.550	0.969	9.37	4.36	2.05	12.1	3.24	0.941	0.592	0.709	0.263	2.99	1983
1984	0.451	0.760	3.90	4.34	0.971	0.983	0.702	0.810	0.533	0.823	0.738	0.542	1.30	1984
1985	0.296	0.454	4.04	8.61	1.37	0.949	0.702	0.831	0.880	0.803	0.385	0.532	1.65	1985
1986	0.625	0.688	3.70	1.80	5.61	0.907	1.35	0.776	1.15	0.374	0.594	0.518	1.52	1986
1987	0.495	0.634	2.22	2.48	1.23	1.20	1.31	0.927	0.417	0.818	0.696	0.587	1.09	1987
1988	0.486	0.560	1.01	1.39	0.959	0.686	0.790	1.07	0.850	0.338	0.724	0.615	0.789	1988
1989	0.640	0.618	0.887	1.58	1.25	1.35	1.21	1.11	1.20	0.790	0.967	0.381	0.998	1989
1990	0.634	0.559	4.34	4.65	1.41	0.933	1.50	0.784	0.712	0.503	0.574	0.507	1.43	1990
MEAN	0.442	0.485	1.11	9.84	3.62	1.57	1.30	0.734	0.612	0.465	0.525	0.447	2.17	MEAN

LOCATION - LAT 50 38 10 N LONG 104 54 35 W DRAINAGE AREA, 4 610 km^2 REGULATED

REMARKS - RECORDS TO 1948 COLLECTED AT NW07-19-21-W2

WASCANA CREEK NEAR LUMSDEN - STATION NO. 05JF005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	---	---	0 B ON MAR 01 *	---	1945
1946	---	6.80B ON MAR 23	0.085B ON MAR 01	---	1946
1947	---	39.4 ON APR 18	0 B ON MAR 01	---	1947
1948	---	65.4 ON APR 24	0 B ON MAR 01	---	1948
1949	---	7.22 ON MAY 30	0.113B ON MAR 12	---	1949
1950	---	16.4 ON APR 17	0.028B ON MAR 16	---	1950
1951	---	28.6 ON MAY 04	0.059 ON AUG 11	---	1951
1952	---	23.3 B ON APR 04	0.034 ON AUG 03	---	1952
1953	---	17.7 B ON MAR 29	0.003 ON SEP 23	---	1953
1954	---	6.60 ON AUG 27	0.113B ON APR 02	---	1954
1955	---	53.5 ON MAY 04	0.142B ON MAR 23	---	1955
1956	---	62.6 ON APR 20	0.142B ON MAR 25	---	1956
1957	---	16.1 B ON APR 06	0.113B ON MAR 09	---	1957
1958	---	7.65B ON APR 06	0.085B ON MAR 01	---	1958
1959	---	2.01B ON MAR 23	0.110 ON JUL 30	---	1959
1960	32.3 AT 23:30 CST ON JUN 26	23.8 ON APR 07	0 B ON MAR 01	---	1960
1961	1.59 AT 14:00 CST ON JUN 01	1.19 ON JUN 01	0 B ON MAR 01	---	1961
1962	9.74 AT 11:30 CST ON APR 16	8.72B ON APR 16	0.014B ON MAR 01	---	1962
1963	9.46 AT 01:00 CST ON JUL 11	6.17 ON JUL 11	0.198B ON MAR 01	---	1963
1964	---	5.55E ON APR 26	0.142B ON MAR 01	---	1964
1965	18.9 AT 07:00 CST ON APR 15	16.7 ON APR 15	0.045 ON OCT 12	---	1965
1966	23.5 B AT 23:00 CST ON APR 02	21.6 B ON APR 02	0.020 ON JUL 24	---	1966
1967	---	40.2 A ON APR 18	0.028 ON SEP 09	---	1967
1968	10.1 B AT 06:00 CST ON MAR 08	6.80B ON MAR 07	0.040 ON OCT 05	---	1968
1969	68.5 AT 16:00 CST ON APR 13	65.4 ON APR 13	0.028E ON OCT 30	---	1969
1970	---	27.3 ON APR 11	0.051 ON OCT 26	---	1970
1971	130 ON APR 13	92.3 ON APR 14	0.028 ON OCT 10	---	1971
1972	11.9 B AT 05:56 CST ON MAR 23	10.8 B ON MAR 23	0.045 ON NOV 01	---	1972
1973	7.62 AT 10:35 CST ON JUN 05	5.92 ON JUN 05	0.001 ON SEP 11	25 400	1973
1974	162 AT 04:34 CST ON APR 22 *	153 ON APR 22 *	0.127B ON DEC 03	185 000	1974
1975	74.2 AT 19:46 CST ON JUN 27	60.3 ON JUN 27	0.105 ON NOV 10	150 000	1975
1976	---	85.0 ON APR 06	0.074 ON OCT 15	170 000	1976
1977	8.98 AT 07:46 CST ON JUL 12	5.95 ON JUL 12	0.026 ON OCT 28	19 400	1977
1978	---	12.5 B ON APR 06	0.018 ON OCT 22	38 000	1978
1979	66.0 AT 00:48 CST ON APR 25	57.6 ON APR 25	0.203 ON NOV 02	84 100	1979
1980	12.6 B AT 22:38 CST ON APR 05	11.7 B ON APR 09	0.024B ON DEC 04	33 900	1980
1981	6.88 AT 01:31 CST ON OCT 14	4.73 ON OCT 14	0.238 ON NOV 03	27 100	1981
1982	115 AT 05:39 CST ON APR 20	99.9 ON APR 19	0.173 ON OCT 12	125 000	1982
1983	37.8 AT 18:07 CST ON JUL 10	33.5 ON JUL 11	0.060B ON DEC 14	94 200	1983
1984	17.4 B AT 21:34 CST ON MAR 29	17.1 B ON MAR 29	0.022 ON SEP 11	41 000	1984
1985	24.9 B AT 18:04 CST ON APR 04	22.3 B ON APR 05	0.044 ON SEP 06	52 100	1985
1986	17.8 AT 16:04 CST ON MAY 10	15.9 ON MAY 10	0.045 ON OCT 20	47 900	1986
1987	11.4 AT 21:59 CST ON MAY 28	6.94B ON MAR 30	0.108B ON JAN 04	34 300	1987
1988	5.63 AT 10:00 CST ON JUL 07	3.44 ON JUL 07	0.018 ON OCT 21	25 000	1988
1989	10.7 AT 06:22 CST ON JUN 27	8.07 ON JUN 27	0.073 ON OCT 19	31 500	1989
1990	14.2 B AT 20:15 CST ON APR 02	13.3 B ON APR 03	0.168B ON JAN 20	45 100	1990
MEAN				68 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WASCANA CREEK NEAR RICHARDSON - STATION NO. 05JF009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	0	0	0	1.78	0	0	0	0	0	0	0	0	0.218	1962
1963	0	0	0.064	0.031	0	0.056	0.023	0	0	0	0	0	0.022	1963
1964	---	---	0	0.593	0.006	0	0.320	0	0	0	---	---	0.114	1964
1965	---	---	0	2.83	0.577	2.01	0.012	0	0	0	---	---	0.667	1965
1966	---	---	1.24	3.93	0.114	0	0	0	0	0	---	---	0.653	1966
1967	---	---	0	8.43	0.650	0	0	0	0	0	---	---	1.11	1967
1968	---	---	1.75	0.318	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	15.3	0.680	0	0	---	---	---	---	---	---	1969
1970	---	---	0	6.14	2.73	1.90	0	0	0	0	---	---	1.33	1970
1971	---	---	0	20.7	0.335	0	0	0	0	0	---	---	2.58	1971
1972	---	---	0.717	3.08	0.061	0	0	0	0	0	---	---	0.476	1972
1973	---	---	0.030	0	0	0	1.18	0	0	0	---	---	0.153	1973
1974	---	---	---	27.3	---	---	---	---	---	---	---	---	---	1974
1975	---	---	---	15.2	16.6	---	---	---	---	---	---	---	---	1975
MEAN	0	0	0.317	7.55	1.81	0.361	0.140	0	0	0	0	0	0.732	MEAN

LOCATION - LAT 50 23 51 N LONG 104 29 13 W
DRAINAGE AREA, 3 130 km^2
REGULATED

WASCANA CREEK NEAR RICHARDSON - STATION NO. 05JF009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	5.47 ON APR 11	0B ON MAR 01 *	4 620	1962
1963	---	0.368 ON MAR 25	0B ON MAR 01	459	1963
1964	---	2.12 ON JUL 05	0E ON MAR 01	2 410	1964
1965	---	10.2 B ON APR 12	0E ON MAR 01	14 100	1965
1966	---	14.2 ON MAR 31	0B ON MAR 01	13 800	1966
1967	---	28.6 ON APR 15	0 ON MAR 01	23 600	1967
1968	---	---	0E ON MAR 01	---	1968
1969	---	45.3 E ON APR 14	0E ON MAR 01	---	1969
1970	---	13.6 B ON APR 15	0B ON MAR 01	28 100	1970
1971	---	74.8 ON APR 11	0 ON MAR 01	54 600	1971
1972	---	5.18 ON APR 07	0B ON MAR 01	10 100	1972
1973	---	5.30 ON JUL 04	0E ON MAR 01	3 230	1973
1974	---	102 E ON APR 23 *	0E ON APR 01	---	1974
1975	---	---	---	---	1975
				15 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WASCANA CREEK NEAR SEDLEY - STATION NO. 05JF004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0.021	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0	0.007	0.017	0.022	---	---	---	---	---	---	---	1945
1946	---	---	0.635	0.168	0	0	---	---	---	---	---	---	---	1946
1947	---	---	0	7.08	0.396	0.131	---	---	---	---	---	---	---	1947
1948	---	---	0	6.67	0.992	0.025	---	---	---	---	---	---	---	1948
1949	---	---	0	0.077	0	0	---	---	---	---	---	---	---	1949
1950	---	---	0	1.05	0.016	0.287	---	---	---	---	---	---	---	1950
1951	---	---	0	3.90	1.30	0	---	---	---	---	---	---	---	1951
1952	---	---	0.165	2.75	0.003	0	---	---	---	---	---	---	---	1952
1953	---	---	0.277	1.47	0.097	8.42	---	---	---	---	---	---	---	1953
1954	---	---	0.009	0.742	0.014	1.04	---	---	---	---	---	---	---	1954
1955	---	---	0	4.81	1.94	0.025	0.426	0.010	0	0	---	---	0.893	1955
1956	---	---	0	8.41	0.618	0.991	0.148	0.018	0.008	0	---	---	1.25	1956
1957	---	---	0.789	0.533	0.010	0	0	0	0	0	---	---	0.166	1957
1958	---	---	0.205	0.853	0	0	0	0	0	0	---	---	0.130	1958
1959	---	---	0.018	0.007	0	0.016	0.002	0	0	0	---	---	0.005	1959
1960	---	---	0	2.13	0.001	0.016	0	0	0	0	---	---	0.262	1960
1961	---	---	0.003	0.022	0.001	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0.001	0.553	0	0.001	0	0	0	0	---	---	0.068	1962
1963	---	---	0.008	0.015	0.008	0.013	0.084	0.005	0.001	0	---	---	0.017	1963
1964	---	---	0	0.347	0.017	0.002	0	0.005	0	0	---	---	0.045	1964
1965	---	---	0	0.815	0.400	0.180	0.004	0.003	0.001	0	---	---	0.173	1965
1966	---	---	0.683	0.888	0.035	0.001	0.001	0	0	0	---	---	0.200	1966
1967	---	---	0	2.27	0.041	0	0	0	0	0	---	---	0.283	1967
1968	---	---	0.014	0.073	0.012	0	0	0.011	0.001	0	---	---	0.014	1968
1969	---	---	0	5.33	0.023	0	0.003	0	0	0	---	---	0.655	1969
1970	---	---	0	2.71	1.11	0.972	0.102	0.016	0.001	0.012	---	---	0.609	1970
1971	---	---	0	5.57	0.058	0.022	0.055	0	0	0	---	---	0.700	1971
1972	---	---	0.817	0.529	0.015	0.001	0	0	0	0	---	---	0.170	1972
1973	---	---	0.004	0.003	0.004	0.005	0	0	0	0	---	---	0.002	1973
1974	---	---	0	9.69	1.67	0.046	0	0.482	0.006	0.006	---	---	1.47	1974
1975	---	---	0.011	12.3	7.63	0.121	0.004	0	0	0	---	---	2.49	1975
1976	---	---	0	13.3	0.722	1.27	0.451	0.091	0.001	0	---	---	1.94	1976
1977	---	---	0.004	0.008	0.002	0.001	0.002	0	0.001	0.001	---	---	0.002	1977
1978	---	---	0.299	0.813	0.046	0.015	0	0	0	0	---	---	0.145	1978
1979	---	---	0	4.82	2.73	0.154	0.001	0	0	0	---	---	0.955	1979
1980	---	---	0.127	1.50	0.001	0	0	0.238	0.005	0	---	---	0.230	1980
1981	---	0.001	0.003	0.001	0	0	0.134	0.013	0	0.002	---	---	0.019	1981
1982	---	---	0	7.38	0.421	0.014	0.341	0.008	0	0.001	---	---	1.00	1982
1983	---	---	0	4.29	0.831	0.935	1.15	0.667	0.007	0.009	---	---	0.977	1983
1984	---	---	0.812	0.261	0.004	0	0	0	0	0	---	---	0.135	1984
1985	---	---	1.83	0.826	0.003	0	0	0	0	0	---	---	0.333	1985
1986	---	---	0.715	0.098	0.317	0.001	0	0	0	0	---	---	0.143	1986
1987	---	---	0.235	0.308	0.009	0.001	0	0	0	0	---	---	0.069	1987
1988	---	---	0.001	0.002	0.002	0	0	0	0	0	---	---	0.001	1988
1989	---	---	0	0.012	0	0	0	0	0	0	---	---	0.001	1989
1990	---	---	1.23	0.321	0.005	0	0	0	0	0	---	---	0.195	1990
MEAN	---	0.001	0.189	2.46	0.458	0.313	0.081	0.044	0.001	0.001	---	---	0.438	MEAN

LOCATION - LAT 50 08 10 N LONG 104 01 50 W
DRAINAGE AREA, 1 620 km^2
REGULATED SINCE 1950

WASCANA CREEK NEAR SEDLEY - STATION NO. 05JF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	0.156 ON APR 05	0 ON MAR 01 *	---	1944
1945	---	---	---	---	1945
1946	---	3.57 ON MAR 28	0B ON MAR 01	---	1946
1947	---	37.9 ON APR 13	0 ON MAR 01	---	1947
1948	---	45.6 ON APR 22	0 ON MAR 01	---	1948
1949	---	0.552 ON APR 07	0B ON MAR 01	---	1949
1950	---	5.49 ON APR 16	0B ON MAR 01	---	1950
1951	---	14.6 ON APR 27	0B ON MAR 01	---	1951
1952	---	7.14 ON APR 06	0B ON MAR 01	---	1952
1953	---	32.6 ON JUN 03	0B ON MAR 01	---	1953
1954	---	---	0B ON MAR 01	---	1954
1955	---	16.3 B ON APR 03	0B ON MAR 01	18 900	1955
1956	---	51.5 B ON APR 13	0B ON MAR 01	26 500	1956
1957	---	3.82 B ON MAR 24	0B ON MAR 01	3 520	1957
1958	---	5.78 ON APR 01	0B ON MAR 01	2 760	1958
1959	---	0.255B ON MAR 28	0B ON MAR 01	114	1959
1960	---	8.81 ON APR 06	0B ON MAR 01	5 560	1960
1961	---	0.057B ON MAR 31	0B ON MAR 01	68.4	1961
1962	3.09 B AT 08:00 CST ON APR 05	3.06 B ON APR 05	0B ON MAR 01	1 440	1962
1963	0.210 AT 03:00 CST ON JUL 14	0.207 ON JUL 14	0B ON MAR 01	357	1963
1964	2.31 B AT 07:30 CST ON APR 02	1.99 B ON APR 02	0B ON MAR 01	962	1964
1965	2.78 AT 17:00 CST ON MAY 27	2.64 ON MAY 27	0B ON MAR 01	3 670	1965
1966	---	4.50 B ON MAR 29	0B ON MAR 01	4 230	1966
1967	13.1 B AT 00:00 CST ON APR 11	11.3 B ON APR 10	0B ON MAR 01	6 000	1967
1968	0.244B AT 10:00 CST ON APR 06	0.232B ON APR 06	0B ON MAR 01	291	1968
1969	42.8 AT 20:30 CST ON APR 10	35.4 ON APR 11	0B ON MAR 01	13 900	1969
1970	18.7 AT 05:30 CST ON JUN 11	16.0 ON APR 10	0B ON MAR 01	12 900	1970
1971	29.2 B AT 21:00 CST ON APR 08	25.2 B ON APR 08	0B ON MAR 01	14 800	1971
1972	4.33 B AT 12:12 CST ON MAR 29	3.51 B ON MAR 29	0B ON MAR 01	3 600	1972
1973	---	0.034 ON JUN 05	0B ON MAR 01	41.4	1973
1974	62.0 AT 18:52 CST ON APR 19 *	58.3 ON APR 19 *	0B ON MAR 01	31 000	1974
1975	51.3 AT 23:37 CST ON APR 28	48.4 ON APR 29	0B ON MAR 01	52 700	1975
1976	---	50.7 A ON APR 07	0B ON MAR 01	41 100	1976
1977	0.031B AT 10:53 CST ON MAR 30	0.026 ON JUL 12	0B ON MAR 01	48.5	1977
1978	3.28 B AT 21:59 CST ON MAR 29	3.17 ON MAR 31	0B ON MAR 01	3 070	1978
1979	41.7 AT 02:23 CST ON APR 22	36.1 ON APR 22	0B ON MAR 01	20 200	1979
1980	5.90 AT 10:14 CST ON APR 04	5.71 ON APR 04	0B ON MAR 01	4 870	1980
1981	0.816 AT 07:47 CST ON JUL 15	0.651 ON JUL 15	0B ON MAR 02	411	1981
1982	51.4 B AT 23:35 CST ON APR 16	47.4 B ON APR 17	0B ON MAR 01	21 200	1982
1983	29.3 AT 08:40 CST ON APR 19	26.5 ON APR 19	0B ON MAR 01	20 700	1983
1984	5.40 AT 16:06 CST ON MAR 28	5.03 ON MAR 29	0B ON MAR 01	2 860	1984
1985	12.3 B AT 11:27 CST ON MAR 20	7.88 B ON MAR 20	0B ON MAR 01	7 060	1985
1986	2.92 AT 12:08 CST ON MAR 19	1.99 ON MAR 19	0B ON MAR 01	3 020	1986
1987	1.62 B AT 12:43 CST ON MAR 30	1.38 B ON MAR 30	0B ON MAR 01	1 450	1987
1988	0.010 AT 11:39 CST ON MAY 08	0.009 ON MAY 08	0B ON MAR 01	13.6	1988
1989	0.028 AT 23:23 CST ON APR 16	0.027 ON APR 16	0B ON MAR 01	31.2	1989
1990	4.74 B AT 03:30 CST ON MAR 21	4.40 B ON MAR 20	0B ON MAR 01	4 130	1990
				9 260	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERFOUND RIVER BELOW THERIAU LAKE - STATION NO. 07LB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	21.5	19.6	---	---	---	1973
1974	---	---	---	---	---	19.0	21.9	21.4	21.0	19.4	18.3	19.1	---	1974
1975	18.5	17.5	16.9	16.2	19.0	20.4	25.3	26.1	22.4	19.8	18.2	17.3	19.8	1975
1976	16.8	16.9	16.6	16.6	19.1	19.7	22.3	27.9	32.4	35.4	33.0	28.8	23.8	1976
1977	25.9	23.7	21.9	22.7	29.4	---	---	---	40.2	32.4	26.0	23.1	---	1977
1978	21.9	20.3	19.2	20.9	27.1	31.2	28.8	26.9	26.4	26.9	24.7	22.1	24.7	1978
1979	21.1	19.8	19.7	20.7	23.9	26.8	24.2	21.8	22.0	24.8	25.1	23.7	22.8	1979
1980	22.6	20.7	19.4	19.2	20.3	19.8	20.3	21.9	20.6	21.8	23.0	22.9	21.0	1980
1981	22.6	20.4	19.7	19.9	25.7	26.4	24.3	20.4	19.1	19.1	17.8	17.1	19.3	1981
1982	11.5	11.5	11.6	12.1	17.2	22.4	22.1	17.7	23.5	19.3	16.8	16.5	17.3	1982
1983	16.5	16.2	16.3	16.5	18.4	20.3	20.0	16.5	16.4	21.8	21.8	20.7	19.2	1983
1984	20.1	19.8	18.3	20.6	23.8	25.6	24.7	22.1	19.1	17.1	17.1	17.2	20.5	1984
1985	16.6	16.3	16.7	18.0	24.1	26.6	26.8	26.0	28.5	26.9	24.9	23.3	22.9	1985
1986	22.0	21.2	20.0	19.6	27.1	33.2	36.8	36.3	32.5	27.0	24.1	22.5	26.9	1986
1987	21.5	21.0	21.0	20.6	24.2	24.2	20.6	16.0	14.7	13.6	13.5	13.8	18.7	1987
1988	13.8	13.8	14.2	14.9	17.9	22.6	27.6	28.4	26.9	23.6	22.2	22.8	20.7	1988
1989	21.8	21.9	20.6	19.1	24.9	32.2	36.8	31.8	28.4	26.2	24.5	24.4	25.9	1989
1990	22.4	22.2	19.8	18.7	20.2	22.9	26.2	24.3	20.6	18.8	18.5	20.1	21.2	1990
MEAN	19.7	19.0	18.2	18.5	22.6	24.6	25.5	24.6	24.3	22.6	21.4	20.5	21.6	MEAN

LOCATION - LAT 58 23 10 N LONG 104 36 30 W DRAINAGE AREA, 3 160 km^2 NATURAL FLOW

WATERFOUND RIVER BELOW THERIAU LAKE - STATION NO. 07LB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	23.1 ON JUL 20	---	---	1974
1975	---	27.9 ON JUL 28	15.8 ON APR 10	625 000	1975
1976	36.5 AT 07:54 CST ON OCT 25	36.5 ON OCT 24	15.9 ON APR 11	753 000	1976
1977	---	---	---	---	1977
1978	32.6 AT 17:10 CST ON JUN 02	32.0 ON MAY 28	18.6 ON MAR 04	780 000	1978
1979	28.7 AT 03:33 CST ON JUN 04	28.2 ON JUN 04	19.2 ON APR 04	720 000	1979
1980	23.9 AT 03:24 CST ON DEC 17	23.8 ON DEC 17	18.8E ON APR 03	665 000	1980
1981	28.9 AT 14:56 CST ON MAY 31	28.6 ON JUN 03	11.4 ON NOV 18	607 000	1981
1982	26.5 AT 12:03 CST ON SEP 20	26.3A ON SEP 20	11.2 ON JAN 21 *	545 000	1982
1983	25.7 AT 18:29 CST ON SEP 23	24.7 ON SEP 23	15.8 ON MAR 29	605 000	1983
1984	27.2 AT 09:46 CST ON JUN 08	26.8 ON JUN 06	16.5 ON NOV 02	647 000	1984
1985	30.2 AT 22:20 CST ON SEP 10	30.1 ON SEP 10	16.0 ON FEB 16	723 000	1985
1986	40.5 AT 21:26 CST ON JUL 03 *	39.2 ON JUL 03 *	18.9 ON APR 10	848 000	1986
1987	27.1 AT 00:55 CST ON MAY 26	25.8 ON MAY 26	13.2 ON NOV 19	590 000	1987
1988	29.5 AT 16:52 CST ON AUG 24	29.2 ON AUG 23	13.4 ON JAN 14	655 000	1988
1989	---	37.8 ON JUL 08	18.7 ON APR 19	818 000	1989
1990	27.4 AT 17:45 CST ON JUL 20	27.2 ON JUL 20	17.5 ON APR 10	670 000	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		683 000	MEAN

WATERHEN RIVER ABOVE BEAVER RIVER - STATION NO. 06AF006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	7.86	8.11	10.1	17.2	24.3	30.7	40.1	39.2	44.5	45.4	37.8R	32.9 R	28.3 R	1973
1974	28.3 R	24.4 R	22.9	46.1	78.5	91.9	81.9	68.1	62.0	54.4	45.5	41.8	54.0 R	1974
1975	35.1 R	20.9 R	22.5	32.3	41.2	44.2	47.7	55.3	48.4	44.0	35.9	21.3	37.5 R	1975
1976	19.3	20.0	17.0	25.2	24.1	21.5	24.9	25.3	27.7	27.3	22.3	13.7	22.3	1976
1977	10.6	13.6	9.75	15.7	20.4	18.2	15.6	21.2	22.2	21.3	14.2	7.99	15.9	1977
MEAN	20.2 R	17.4 R	16.5	27.3	37.7	41.3	42.0	41.8	41.0	38.5	31.1R	23.5 R	31.6 R	MEAN

LOCATION - LAT 54 39 00 N LONG 107 51 20 W DRAINAGE AREA, 11 100 km² NATURAL FLOW

R - REVISED SINCE JAN 01 1989

WATERHEN RIVER ABOVE BEAVER RIVER - STATION NO. 06AF006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	55.5 AT 19:03 CST ON JUL 03	54.1 ON JUL 03	7.65B ON JAN 01	892 000	1973
1974	---	98.5E ON JUN 17 *	19.0 B ON MAR 16	1 700 000	1974
1975	60.3 AT 02:16 CST ON AUG 12 *	60.3 ON AUG 12	15.2 B ON DEC 18	1 180 000	1975
1976	34.3 AT 17:51 CST ON JUL 15	34.3 ON JUL 15	6.23B ON DEC 29	707 000	1976
1977	26.3 AT 15:26 CST ON MAY 29	26.1 ON MAY 29	5.10B ON DEC 06 *	501 000	1977
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		996 000	MEAN

WATERHEN RIVER NEAR GOODSOIL - STATION NO. 06AF005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	7.32	7.70	11.4	13.3	12.4	11.1	8.25	6.04	---	---	---	1967
1968	---	---	2.65	2.52	2.95	2.96	2.86	3.88	4.27	5.53	5.45	4.37	---	1968
1969	3.70	5.03	5.07	8.76	16.1	17.6	16.5	15.1	11.6	10.5	9.38	8.02	10.6	1969
1970	7.30	7.07	7.70	11.4	17.5	17.3	37.1	43.9	42.2	36.4	32.3	28.4	24.2	1970
1971	26.0	23.8	20.9	22.8	29.1	29.5	32.8	34.4	27.5	20.0	13.9	10.4	24.3	1971
1972	9.25	8.99	10.1	14.2	21.0	21.9	19.2	17.6	13.8	10.7	8.63	6.55	13.3	1972
1973	6.18	5.95	6.22	7.16	22.4	42.1	47.6	33.3	33.4	33.6	32.6	30.1	20.9	1973
1974	29.1	27.9	26.4	29.7	72.5	92.2	77.9	59.9	46.6	38.6	32.7	25.8	46.7	1974
1975	21.9	21.0	20.4	21.1	29.1	39.8	47.2	41.2	36.4	32.5	26.1	20.7	29.8	1975
1976	19.0	17.9	16.5	17.2	17.7	17.9	19.9	25.7	26.1	22.3	17.5	13.1	19.2	1976
1977	12.0	12.2	11.4	12.1	17.0	21.5	21.4	21.9	18.6	15.7	12.0	10.2	15.5	1977
1978	11.3	11.6	10.6	10.3	16.9	27.4	24.3	18.9	17.1	15.3	10.1	7.74	15.1	1978
1979	6.60	6.26	6.42	7.44	12.3	18.4	25.1	21.5	19.0	17.7	14.7	12.2	14.0	1979
1980	10.8	10.3	9.69	10.9	12.1	11.6	10.3	10.9	13.3	17.5	17.9	16.2	12.6	1980
1981	15.6	14.8	13.9	14.6	14.3	12.8	11.4	9.47	6.52	4.59	3.69	2.55	10.3	1981
1982	1.92	1.74	2.64	3.85	6.64	10.6	15.0	15.7	14.6	12.5	10.2	6.43	8.70	1982
1983	7.78	7.75	7.45	8.32	9.36	8.32	11.2	11.1	10.2	8.40	8.03	7.42	8.79	1983
1984	6.54	6.05	6.02	7.30	9.01	16.3	18.6	16.6	12.8	10.8	8.52	7.20	10.5	1984
1985	6.34	5.61	6.18	7.04	10.4	15.5	16.5	13.4	12.2	10.0	7.99	6.28	9.82	1985
1986	6.07	5.88	5.42	6.37	8.68	12.0	18.0	27.7	25.1	21.9	18.3	15.6	14.3	1986
1987	14.5	13.0	12.0	14.0	17.5	19.0	17.9	16.3	14.7	11.6	7.68	6.34	13.7	1987
1988	4.36	4.70	5.30	5.92	5.97	6.46	11.1	18.3	25.4	24.0	20.2	16.5	12.4	1988
1989	13.8	13.8	12.7	12.9	14.2	14.5	13.9	10.8	9.37	8.83	7.40	6.34	11.5	1989
1990	6.63	7.35	7.37	8.19	11.3	12.6	13.3	10.9	8.81	6.85	5.00	3.54	8.49	1990
MEAN	11.2	10.8	10.0	11.2	16.5	20.0	21.7	21.2	19.1	16.7	14.4	11.9	16.1	MEAN

LOCATION - LAT 54 26 45 N LONG 109 13 21 W DRAINAGE AREA, 7 760 km² NATURAL FLOW

WATERHEN RIVER NEAR GOODSOIL - STATION NO. 06AP005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	7.28 AT 20:00 CST ON OCT 26 18.9 AT 18:00 CST ON JUN 10	6.68 ON OCT 26 18.5 ON JUN 10	3.28 B ON JAN 15	336 000	1969
1970	48.1 AT 03:45 CST ON AUG 18	46.7 ON AUG 18	6.43 B ON MAR 01	762 000	1970
1971	37.1 AT 15:05 CST ON JUL 28	36.8 ON JUL 25	9.37 B ON DEC 31	767 000	1971
1972	24.5 AT 17:32 CST ON JUN 01	23.5 ON JUN 01	6.12 A ON DEC 20	422 000	1972
1973	36.0 AT 06:07 CST ON AUG 15	35.7 ON AUG 14	5.86 ON MAR 01	659 000	1973
1974	100 AT 01:18 CST ON JUN 13 *	98.5 ON JUN 13 *	23.3 ON APR 12	1 470 000	1974
1975	51.8 AT 18:42 CST ON JUL 04	51.0 ON JUL 04	19.5 ON DEC 24	941 000	1975
1976	28.3 AT 22:49 CST ON AUG 17	27.9 ON AUG 18	12.1 E ON DEC 31	608 000	1976
1977	24.0 AT 16:22 CST ON AUG 09	23.3 ON AUG 09	9.83 ON DEC 10	490 000	1977
1978	30.0 AT 19:25 CST ON JUN 24	29.6 ON JUN 25	7.16 ON DEC 29	477 000	1978
1979	28.4 AT 00:07 CST ON JUL 22	27.5 ON JUL 22	6.24 E ON FEB 09	442 000	1979
1980	20.4 AT 15:28 CST ON OCT 29	19.1 ON OCT 29	9.42 ON MAR 20	400 000	1980
1981	16.1 AT 00:00 CST ON JAN 01	16.0 ON JAN 01	0.89OE ON OCT 27 *	326 000	1981
1982	17.3 AT 21:11 CST ON AUG 06	16.7 ON AUG 04	1.48 B ON FEB 07	275 000	1982
1983	16.8 AT 05:53 CST ON JUL 27	12.5 ON JUL 27	6.89 ON DEC 23	277 000	1983
1984	20.5 AT 14:53 CST ON JUN 30	19.7 ON JUL 22	5.76 B ON FEB 28	332 000	1984
1985	18.6 AT 17:56 CST ON JUN 24	17.9 ON JUL 03	5.24 B ON FEB 11	310 000	1985
1986	29.6 AT 11:31 CST ON AUG 15	28.8 ON AUG 15	5.09 B ON MAR 07	451 000	1986
1987	22.2 AT 16:09 CST ON JUN 01	20.2 ON JUN 13	6.04 ON DEC 31	432 000	1987
1988	27.0 AT 16:55 CST ON SEP 29	26.3 ON SEP 22	3.86 B ON JAN 13	391 000	1988
1989	17.6 AT 04:09 CST ON JUL 22	15.4 ON MAY 21	6.25 ON DEC 08	364 000	1989
1990	15.2 AT 17:03 CST ON JUL 14	14.5 ON JUL 14	2.70 B ON DEC 30	268 000	1990
				509 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATHAMAN RIVER BELOW WATHAMAN LAKE - STATION NO. 06DC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	85.6	86.6	105	89.1	68.8	---	1971
1972	---	---	---	---	---	---	65.0	51.5	41.9	65.6	69.1	52.8	---	1972
1973	39.5	32.3	27.7	27.8	58.4	---	---	---	73.1	53.4	50.8	45.3	---	1973
1974	37.3	31.5	28.0	32.7	88.7	73.5	---	---	117	102	---	---	---	1974
1975	---	---	---	---	---	109	200	138	81.8	64.0	---	---	---	1975
1976	---	---	25.4	30.9	46.3	53.3	159	246	159	118	96.0	67.7	---	1976
1977	50.2	40.1	33.7	60.5	157	216	159	109	89.2	89.5	74.0	52.7	94.5	1977
1978	39.1	30.3	25.3	23.7	141	206	142	130	167	145	102	71.2	102	1978
1979	50.4	38.7	32.2	28.9	71.7	127	127	118	95.5	104	103	74.9	81.1	1979
1980	53.8	41.4	32.4	41.1	70.8	45.3	36.8	44.2	45.0	65.4	68.8	48.5	49.5	1980
1981	37.4	30.7	27.0	25.7	96.2	81.7	53.6	35.1	25.1	24.4	23.9	23.8	40.5	1981
1982	19.2	15.7	14.0	15.4	90.8	117	88.7	72.4	66.2	50.2	39.2	32.3	52.2	1982
1983	27.6	23.8	21.4	24.4	53.2	110	92.6	76.3	103	129	88.8	63.0	67.9	1983
1984	43.9	35.1	29.2	53.1	94.1	77.3	62.0	50.1	38.8	34.8	40.6	39.2	49.9	1984
1985	32.1	27.1	25.0	26.6	172	123	115	77.7	80.7	68.3	55.8	38.9	70.5	1985
1986	29.1	24.2	21.5	29.2	134	155	105	121	78.7	57.4	45.8	36.5	70.1	1986
1987	29.6	25.3	23.0	28.6	69.9	64.8	42.8	30.1	26.0	22.9	20.8	18.9	33.6	1987
1988	14.2	12.5	11.8	12.2	54.4	75.0	77.1	64.5	56.1	53.3	50.5	45.9	44.1	1988
1989	37.4	30.4	24.4	21.4	122	141	105	66.3	45.7	37.9	35.6	32.3	58.5	1989
1990	27.9	25.2	22.8	21.9	60.3	73.4	63.6	50.1	38.0	38.7	43.2	40.2	42.2	1990
MEAN	35.5	29.0	25.0	29.7	93.0	109	99.7	87.1	75.7	71.4	60.9	47.4	61.2	MEAN

LOCATION - LAT 57 05 20 N
LONG 103 42 40 W
DRAINAGE AREA, 10 200 km^2
NATURAL FLOW

WATHAMAN RIVER BELOW WATHAMAN LAKE - STATION NO. 06DC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	211 AT 08:38 CST ON JUL 09	210 ON JUL 08	---	---	1975
1976	317 AT 19:20 CST ON JUL 31 *	317 ON AUG 01 *	23.9 ON APR 04	---	1976
1977	---	236 ON JUN 12	30.6 ON APR 07	2 980 000	1977
1978	237 AT 21:14 CST ON MAY 31	236 ON MAY 31	42.8 ON APR 23	3 230 000	1978
1979	147 AT 19:57 CST ON JUL 19	146 ON JUL 25	27.8 ON APR 11	2 560 000	1979
1980	79.0 AT 18:20 CST ON MAY 07	78.9 ON MAY 08	29.0 ON APR 10	1 560 000	1980
1981	---	125 E ON MAY 20	23.8E ON OCT 09	1 280 000	1981
1982	125 AT 14:14 CST ON JUN 11	124 ON JUN 11	33.8E ON MAR 21	1 650 000	1982
1983	154 AT 15:24 CST ON SEP 30	152 ON SEP 30	19.7 ON APR 25	2 140 000	1983
1984	99.6 AT 23:13 CST ON MAY 08	99.3 ON MAY 02	26.9 ON APR 03	1 580 000	1984
1985	221 AT 11:58 CST ON MAY 20	218 ON MAY 20	23.5 ON APR 12	2 220 000	1985
1986	213 AT 16:55 CST ON MAY 29	211 ON MAY 28	20.5 ON APR 02	2 210 000	1986
1987	77.5 AT 16:43 CST ON MAY 25	76.0 ON MAY 21	18.2 ON DEC 31	1 060 000	1987
1988	81.8 AT 17:32 CST ON JUL 21	80.7 ON JUL 21	11.5 ON MAR 24 *	1 390 000	1988
1989	200 AT 09:17 CST ON MAY 31	199 ON MAY 29	20.2 ON APR 21	1 840 000	1989
1990	81.1 AT 16:08 CST ON MAY 26	80.4 ON MAY 26	20.3 ON APR 16	1 330 000	1990
				1 930 000	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST FORK POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	0.060	0.028	0.013	0.006	0.001	0	0.001	0.005	---	---	0.014	1931
1932	---	---	0.323	0.099	0.018	0.019	0.003	0	0.004	0.004	---	---	0.059	1932
1933	---	---	0.557	0.137	0.031	0.034	0.033	0.054	0.014	0.008	---	---	0.109	1933
1934	---	---	0.066	0.136	0.004	0.004	0	0	0.001	0.008	---	---	0.027	1934
1935	---	---	0.011	0.080	0.015	0.020	0.006	0	0.002	0.006	---	---	0.017	1935
1936	---	---	0	0.735	0.031	0.009	0.001	0	0	0.003	---	---	0.096	1936
1937	---	---	0.011	0.044	0.009	0.009	0.009	0.003	0	0.006	---	---	0.011	1937
1938	---	---	1.57	0.121	0.022	0.059	0.021	0	0.005	0.007	---	---	0.227	1938
1939	---	---	3.92	0.063	0.035	0.393	0.007	0	0.001	0.006	---	---	0.558	1939
1940	---	---	0.006	0.472	0.061	0.022	0.012	0.008	0.003	0.011	---	---	0.073	1940
1941	---	---	0.653	0.051	0.010	0.012	0.004	0.001	0.004	0.009	---	---	0.094	1941
1942	---	---	0.193	0.222	0.022	0.039	0.016	0.016	0.052	0.014	---	---	0.071	1942
1943	---	---	1.69	1.15	0.019	0.221	0.021	0.001	0.001	0.010	---	---	0.388	1943
1944	---	---	0.019	0.312	0.020	0.033	0.005	0.010	0.009	0.006	---	---	0.051	1944
1945	---	---	1.00	0.057	0.011	0.011	0.006	0	0.002	0.009	---	---	0.139	1945
1946	---	---	0.786	0.044	0.003	0.007	0.002	0	0.002	0.008	---	---	0.107	1946
1947	---	---	0	0.198	0.019	0.094	0.029	0.159	0.013	0.010	---	---	0.065	1947
1948	---	---	0.180	1.49	0.030	0.013	0.052	0.009	0.001	0.007	---	---	0.219	1948
1949	---	---	0.080	0.070	0.008	0.005	0.003	0.002	0	0.006	---	---	0.022	1949
1950	---	---	0	4.15	0.124	0.076	0.007	0.004	0.006	0.010	---	---	0.536	1950
1951	---	---	---	2.44	0.212	0.013	0.007	0.001	0.042	0.018	---	---	---	1951
1952	---	---	0.002	9.43	0.014	0.005	0.165	0.005	0.006	0.006	---	---	1.18	1952
1975	---	---	---	---	---	0.032	0.014	0.024	0.012	0.017	---	---	---	1975
MEAN	---	---	0.530	0.979	0.033	0.049	0.018	0.013	0.008	0.008	---	---	0.193	MEAN

LOCATION - LAT 49 00 00 N DRAINAGE AREA, 376 km²
LONG 106 22 00 W NATURAL FLOW

WEST FORK POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	0.258 ON MAR 21	0.246 ON MAR 21	0 ON JUN 18 *	301	1931
1932	1.93 AT 00:30 MST ON MAR 24	1.61 ON MAR 24	0E ON MAR 01	1 250	1932
1933	3.26 B ON MAR 18	2.32 B ON MAR 17	0B ON MAR 01	2 310	1933
1934	---	0.425B ON MAR 25	0B ON MAR 01	573	1934
1935	---	0.283 ON APR 18	0B ON MAR 01	366	1935
1936	11.0 AT 17:00 MST ON APR 14	4.45 ON APR 14	0B ON MAR 01	2 020	1936
1937	---	0.130 ON APR 12	0 ON JUN 26	238	1937
1938	---	7.08 B ON MAR 16	0B ON MAR 01	4 810	1938
1939	106 AT 15:30 MST ON MAR 23	40.5 ON MAR 24	0 ON MAR 01	11 800	1939
1940	20.9 AT 22:00 MST ON APR 19	3.71 B ON APR 19	0 ON AUG 26	1 550	1940
1941	5.49 AT 10:00 MST ON MAR 27	3.45 ON MAR 27	0 ON JUL 21	1 990	1941
1942	2.04 AT 12:30 MST ON APR 04	1.17 ON APR 03	0 ON AUG 11	1 510	1942
1943	---	19.3 ON MAR 29	0B ON MAR 01	8 210	1943
1944	---	2.12 B ON APR 02	0B ON MAR 01	1 080	1944
1945	---	4.96 B ON MAR 15	0B ON MAR 01	2 940	1945
1946	6.37 AT 08:30 MST ON MAR 24	2.86 ON MAR 21	0 ON MAR 01	2 270	1946
1947	8.24 AT 01:30 MST ON AUG 23	3.54 ON AUG 23	0B ON MAR 01	1 370	1947
1948	14.5 AT 12:30 MST ON APR 16	7.08 B ON APR 16	0B ON MAR 01	4 640	1948
1949	0.934B AT 14:30 MST ON MAR 28	0.708B ON MAR 31	0B ON MAR 01	458	1949
1950	---	35.4 B ON APR 17	0B ON MAR 01	11 400	1950
1951	---	18.5 B ON APR 26	0B ON APR 01	---	1951
1952	154 AT 21:00 MST ON APR 14 *	85.5 ON APR 14 *	0B ON MAR 01	25 000	1952
1975	---	---	---	---	1975
				4 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHEELER RIVER BELOW RUSSELL LAKE - STATION NO. 06DA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	17.0	18.2	---	1973
1974	22.3	22.4	18.7	---	---	---	---	---	19.9	19.4	19.2	19.3	---	1974
1975	18.4	17.1	15.9	15.2	23.2	23.6	---	---	---	21.4	20.2	---	---	1975
1976	---	---	---	---	---	17.0	27.0	34.8	39.7	37.0	33.3	28.3	---	1976
1977	26.9	25.7	21.0	23.7	30.8	35.5	35.1	30.2	29.4	26.9	23.9	22.5	27.6	1977
1978	24.5	23.9	21.9	19.7	27.3	29.7	24.9	25.6	29.8	30.8	27.2	24.5	25.8	1978
1979	27.2	28.1	24.7	21.0	25.3	27.7	25.2	24.5	23.1	23.9	24.6	21.6	24.7	1979
1980	18.0	14.7	13.8	14.1	19.3	17.2	14.3	14.8	15.4	18.9	18.3	16.6	16.3	1980
1981	16.7	17.4	17.1	17.8	24.9	21.3	15.8	11.4	8.93	9.44	11.1	11.5	15.3	1981
1982	10.0	8.53	8.30	10.3	22.2	25.5	21.3	23.0	21.8	18.7	17.0	17.4	17.0	1982
1983	16.9	15.9	15.5	17.1	20.8	25.5	20.3	16.9	18.0	19.3	19.8	18.4	18.7	1983
1984	16.1	15.9	16.8	20.3	22.7	21.4	16.8	13.8	12.0	13.3	15.2	14.9	16.6	1984
1985	15.1	14.8	15.4	16.6	28.9	25.4	23.0	18.8	17.7	16.7	17.2	16.0	18.8	1985
1986	16.1	16.3	16.2	16.5	25.3	24.1	23.4	21.6	17.3	16.8	16.1	15.1	18.7	1986
1987	14.7	14.8	15.1	19.0	22.8	18.0	12.4	9.90	10.1	9.57	10.5	10.1	13.9	1987
1988	11.0	11.2	12.3	13.4	19.3	22.4	20.4	16.4	15.7	15.2	15.1	14.8	15.6	1988
1989	15.2	16.0	15.2	14.6	23.8	24.9	22.9	18.0	16.2	15.3	14.5	14.5	17.6	1989
1990	14.4	14.3	14.3	14.6	19.1	19.4	19.4	14.4	12.3	12.9	14.0	13.8	15.2	1990
MEAN	17.7	17.3	16.4	16.9	23.7	23.7	21.5	19.6	19.2	19.1	18.6	17.5	18.7	MEAN

LOCATION - LAT 57 28 40 N DRAINAGE AREA, 3 030 km²
LONG 104 59 50 W NATURAL FLOW

REMARKS - PRIOR TO 1978, RECORDS WERE PUBLISHED UNDER STATION NO. 07LA003

WHEELER RIVER BELOW RUSSELL LAKE - STATION NO. 06DA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	43.3 AT 02:05 CST ON SEP 10 *	43.0 ON SEP 09 *	---	---	1976
1977	37.7 AT 22:53 CST ON JUL 19	37.7 ON JUL 20	18.9 ON APR 11	871 000	1977
1978	32.8 AT 11:52 CST ON OCT 16	32.8 ON SEP 26	19.1 ON APR 08	814 000	1978
1979	31.7 AT 00:25 CST ON MAY 30	31.1 ON MAY 29	19.9 ON APR 17	780 000	1979
1980	---	20.2 ON JAN 01	12.6 B ON APR 07	515 000	1980
1981	27.1 AT 21:51 CST ON MAY 20	27.0 ON MAY 19	7.89 ON OCT 09	481 000	1981
1982	27.3 AT 09:16 CST ON JUN 08	27.0 ON JUN 15	8.30B ON FEB 26	538 000	1982
1983	28.8 AT 21:27 CST ON JUN 16	28.4 ON JUN 17	14.5 B ON MAR 07	590 000	1983
1984	24.4 AT 18:11 CST ON APR 23	24.2 ON APR 24	9.34 ON SEP 08	524 000	1984
1985	33.7 AT 09:42 CST ON MAY 18	32.8 ON MAY 18	14.2 B ON FEB 15	593 000	1985
1986	29.2 AT 22:47 CST ON JUN 02	28.9 ON MAY 27	14.1 ON SEP 26	591 000	1986
1987	---	27.0E ON APR 28	7.56 ON OCT 24 *	439 000	1987
1988	24.8 AT 21:03 CST ON JUN 19	24.5 ON JUN 20	10.5 B ON JAN 05	494 000	1988
1989	29.5 AT 00:10 CST ON MAY 28	29.3 ON MAY 28	13.6 ON APR 21	555 000	1989
1990	21.4 AT 09:53 CST ON JUL 01	20.9 ON JUL 01	10.5 ON OCT 03	481 000	1990
MEAN				590 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITE FOX RIVER NEAR GARRICK - STATION NO. 05KE005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	---	0.019	0.001	---	---	---	1970
1971	---	---	0.028	13.6	0.791	1.83	4.41	1.27	0.006	0.002	---	---	2.71	1971
1972	---	---	0	27.5	10.3	0.448	0.006	0	0	0	---	---	4.72	1972
1973	---	---	0.051	4.34	0.743	26.3	11.8	1.53	1.37	1.28	---	---	5.86	1973
1974	---	---	0.062	40.7	18.1	6.96	1.10	0.309	0.088	0.265	---	---	8.35	1974
1975	---	---	0.028	7.61	10.0	4.74	0.777	0.048	0	0	---	---	2.89	1975
1976	---	---	0.019	4.16	0.188	0.145	0.170	0.027	0	0	---	---	0.578	1976
1977	---	---	0	0	0.183	1.05	0.198	0.043	0.135	0.199	---	---	0.224	1977
1978	---	---	0	13.4	3.68	0.700	0.089	0.109	0.152	0.193	---	---	2.26	1978
1979	---	---	0	25.6	20.9	6.65	1.06	0.006	0	0	---	---	6.73	1979
1980	---	---	0	4.12	0.122	0.015	0.016	0.008	0	0.002	---	---	0.526	1980
1981	---	---	0.025	0.531	0.154	0.056	0.018	0.002	0	0	---	---	0.097	1981
1982	---	---	0	7.63	0.792	0.129	0.037	0.066	0.254	0.340	---	---	1.14	1982
1983	---	---	0	10.4	4.15	1.21	1.00	0.313	0.097	0.225	---	---	2.16	1983
1984	---	---	0	13.6	10.4	9.47	0.548	0.040	0.015	0.168	---	---	4.23	1984
1985	---	---	0.006	49.2	12.3	7.98	2.55	0.224	0.098	0.074	---	---	8.93	1985
1986	---	---	0.006	6.40	3.26	0.450	0.020	0.017	0.007	0.002	---	---	1.26	1986
1987	---	---	0	3.42	0.293	0.127	0.316	0.522	0.164	0.206	---	---	0.623	1987
1988	---	---	0	7.18	0.559	0.073	0.017	0	0	0	---	---	0.961	1988
1989	---	---	0	0.226	0.059	0.022	0.002	0	0	0	---	---	0.038	1989
1990	---	---	0	3.74	1.45	0.500	1.04	0.183	0	0	---	---	0.857	1990
MEAN	---	---	0.011	12.2	4.92	3.44	1.26	0.236	0.115	0.141	---	---	2.76	MEAN

LOCATION - LAT 53 25 20 N DRAINAGE AREA, 1 870 km²
LONG 104 20 30 W NATURAL FLOW

WHITE FOX RIVER NEAR GARRICK - STATION NO. 05KE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	0 ON SEP 18 *	---	1970
1971	41.9 AT 05:40 CST ON APR 17	41.3 ON APR 17	0 ON MAY 31	57 300	1971
1972	131 AT 22:20 CST ON APR 25	128 ON APR 26	0B ON MAR 01	100 000	1972
1973	52.4 AT 13:36 CST ON JUN 09	52.1 ON JUN 09	0B ON MAR 01	124 000	1973
1974	169 AT 22:02 CST ON APR 21 *	160 ON APR 21 *	0 ON AUG 30	177 000	1974
1975	28.9 AT 20:00 CST ON APR 29	27.4 ON APR 29	0 ON AUG 07	61 100	1975
1976	18.1 AT 03:10 CST ON APR 10	17.4 ON APR 10	0 ON AUG 07	12 200	1976
1977	---	1.42 ON JUN 08	0B ON MAR 01	4 730	1977
1978	87.5 B AT 18:20 CST ON APR 21	69.1 ON APR 22	0B ON MAR 01	47 800	1978
1979	110 AT 03:26 CST ON APR 26	106 ON APR 26	0B ON MAR 01	142 000	1979
1980	---	15.5 B ON APR 14	0B ON MAR 01	11 100	1980
1981	---	1.00 B ON APR 01	0B ON MAR 01	2 050	1981
1982	30.0 AT 05:24 CST ON APR 21	29.2 ON APR 21	0B ON MAR 01	24 100	1982
1983	43.7 AT 09:17 CST ON APR 24	43.0 ON APR 24	0B ON MAR 01	45 700	1983
1984	55.0 AT 02:12 CST ON APR 10	52.6 ON APR 11	0B ON MAR 01	89 500	1984
1985	137 AT 05:29 CST ON APR 22	135 ON APR 22	0B ON MAR 01	189 000	1985
1986	22.1 B AT 05:54 CST ON APR 07	20.3 B ON APR 08	0 ON AUG 24	26 600	1986
1987	---	16.7 B ON APR 08	0B ON MAR 01	13 200	1987
1988	19.0 B AT 18:55 CST ON APR 12	16.6 B ON APR 12	0B ON MAR 01	20 300	1988
1989	0.705B AT 02:10 CST ON APR 23	0.604B ON APR 19	0B ON MAR 01	806	1989
1990	14.8 B AT 00:20 CST ON APR 03	11.5 B ON APR 07	0B ON MAR 01	18 100	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		58 300	MEAN

WHITE FOX RIVER NEAR WHITE FOX - STATION NO. 05KE001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0	0.040	0.049	0.041	0	0	0	0	---	---	0.016	1941
1942	---	---	0	1.75	0.223	1.27	10.7	1.15	0.166	0.113	---	---	1.93	1942
1943	---	---	0	10.3	2.04	0.454	0.525	0.442	0.019	0.030	---	---	1.71	1943
1944	---	---	0	0.677	1.99	0.244	0.952	1.09	1.86	3.54	---	---	1.30	1944
1945	---	---	0.115	3.70	8.34	6.09	3.26	0.310	0.049	0.136	---	---	2.74	1945
1965	---	---	---	10.4	1.29	0.519	---	---	---	---	---	---	---	1965
1966	---	---	---	---	5.23	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	4.12	0.037	---	---	---	---	---	---	---	1967
1969	---	---	---	13.1	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	19.5	---	---	---	---	---	---	---	---	---	1970
MEAN	---	---	0.023	7.43	2.91	1.24	3.09	0.598	0.419	0.764	---	---	1.54	MEAN

LOCATION - LAT 53 27 11 N LONG 104 06 26 W
DRAINAGE AREA, 2 330 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WHITE FOX RIVER NEAR WHITE FOX - STATION NO. 05KE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	0.113 ON APR 18	0E ON MAR 01 *	342	1941
1942	---	37.7 ON JUL 21 *	0E ON MAR 01	40 900	1942
1943	---	35.1 ON APR 21	0B ON MAR 01	36 100	1943
1944	---	5.78 E ON OCT 12	0B ON MAR 01	27 500	1944
1945	---	18.8 ON MAY 06	0B ON MAR 01	58 100	1945
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	---	---	---	1970
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		32 600	MEAN

WHITE RESERVOIR OUTFLOW - STATION NO. 05HF020

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.018R	0	0	0	0	0	0	---	---	0.002R	1969
1970	---	---	0	0.033R	0	0	0	0	0	0	---	---	0.004R	1970
1971	---	---	0	0.001R	0	0	0	0	0	0	---	---	0 R	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0	0.006R	0.003R	0R	0	0	0	---	---	0	1974
1975	---	---	0	0.024R	0.001R	0	0	0	0	0	---	---	0.001R	1975
1976	---	---	0	0.002R	0 R	0	0	0	0	0	---	---	0.003R	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0 R	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
MEAN	---	---	0	0.007R	0.001R	0 R	0R	0	0	0	---	---	0.001R	MEAN

LOCATION - LAT 51 25 10 N
LONG 108 22 47 W REGULATED

R - REVISED SINCE JAN 01 1989

WHITE RESERVOIR OUTFLOW - STATION NO. 05HF020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01 *	0	1968
1969	0.436 AT 20:00 CST ON APR 11	0.190RB ON APR 11	0B ON MAR 01	47.9	1969
1970	0.977 AT 19:00 CST ON APR 07 *	0.212R ON APR 10 *	0B ON MAR 01	85.2	1970
1971	0.007 AT 20:34 CST ON APR 15	0.004R ON APR 15	0 ON MAR 01	1.56	1971
1972	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1972
1973	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1973
1974	0.164 AT 18:00 CST ON JUN 26	0.054R ON JUN 25	0 ON MAR 01	24.5	1974
1975	0.210B AT 12:50 CST ON APR 20	0.144B ON APR 20	0B ON MAR 01	63.8	1975
1976	0.016 AT 18:00 CST ON APR 07	0.013R ON APR 07	0B ON MAR 01	3.89	1976
1977	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1977
1978	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1978
1979	---	0 ON MAR 01	0 ON MAR 01	0	1979
				18.9	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

WHITE TRIBUTARY NEAR FISKE - STATION NO. 05HF011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.014R	0	0	0	0	0	0	---	---	0.002R	1969
1970	---	---	0	0.008	0	0	0	0	0	0	---	---	0.001	1970
1971	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0.010	0	0	0	0	0	0	---	---	0.001	1974
1975	---	---	0	0.013	0	0	0	0	0	0	---	---	0.002	1975
1976	---	---	0.001	0.016	0	0	0	0	0	0	---	---	0.002	1976
1977	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1979
MEAN	---	---	0	0.005R	0	0	0	0	0	0	---	---	0.001R	MEAN

LOCATION - LAT 51 25 15 N
LONG 108 22 53 W

DRAINAGE AREA, 0.52 km^2
NATURAL FLOW

R - REVISED SINCE JAN 01 1989

WHITE TRIBUTARY NEAR FISKE - STATION NO. 05HF011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---				
1969	0.238 AT 17:30 CST ON APR 10	0.017 ON MAR 01 0.088 ON APR 10	0E ON MAR 07 * 0 ON MAR 01	4.49 35.0	1968 1969
1970	0.105 AT 15:30 CST ON APR 10	0.074B ON APR 06	0 ON MAR 01	20.1	1970
1971	0.091 AT 01:15 CST ON JUL 24	0.008B ON APR 07	0B ON MAR 01	3.97	1971
1972	0.001E ON APR 06	0.001E ON APR 05	0 ON MAR 01	0.259	1972
1973	0.008 AT 19:05 CST ON MAR 20	0.003 ON MAR 17	0 ON MAR 01	2.68	1973
1974	0.436B AT 13:38 CST ON APR 19	0.125B ON APR 19	0B ON MAR 01	26.2	1974
1975	0.130 AT 18:30 CST ON APR 16	0.108B ON APR 17	0B ON MAR 01	33.9	1975
1976	0.201B AT 01:19 CST ON APR 03	0.190B ON APR 03 *	0B ON MAR 01	45.5	1976
1977	0.745 AT 15:18 CST ON MAY 15 *	0.012 ON MAY 15	0 ON MAR 01	3.89	1977
1978	0.004 AT 17:37 CST ON APR 04	0.003A ON MAR 30	0B ON MAR 01	1.12	1978
1979	0.068 AT 21:29 CST ON APR 18	0.009 ON APR 18	0B ON MAR 01	2.07	1979
				14.9	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITESAND RIVER NEAR CANORA - STATION NO. 05MB003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1943	---	---	0	12.5	2.23	1.55	0.627	---	---	---	---	---	---	1943
1944	---	---	---	1.12	0.328	0.272	0.035	0	0	0	---	---	---	1944
1945	---	---	0.520	1.27	0.454	0.321	0.246	0.001	0.028	---	---	---	---	1945
1946	---	---	---	2.75	0.425	0.123	0.054	0.003	0.055	0.172	---	---	---	1946
1947	---	---	---	---	8.28	1.62	1.07	0.126	0.109	0.147	---	---	---	1947
1948	---	---	---	---	23.9	0.936	0.726	0.130	0.004	0.007	---	---	---	1948
1949	---	---	---	1.37	0.160	0.880	0.081	0.070	---	---	---	---	---	1949
1950	---	---	---	---	2.17	0.328	0.190	0.144	---	---	---	---	---	1950
1951	---	---	---	8.89	8.82	0.988	0.380	0.063	0.186	0.395	---	---	---	1951
1952	---	---	---	9.71	1.11	0.233	0.022	0	0	0	---	---	---	1952
1953	---	---	---	8.18	2.93	6.87	20.3	8.94	2.88	1.46	---	---	---	1953
1954	---	---	---	19.0	13.8	48.5	17.5	5.73	6.48	7.73	4.32	---	---	1954
1955	---	---	---	50.4	74.6	20.6	10.7	4.01	0.882	0.982	---	---	---	1955
1956	---	---	---	36.9	64.6	17.6	6.76	1.93	1.38	0.817	---	---	---	1956
1957	---	---	0	23.0	14.1	2.48	0.858	0.408	0.185	0	---	---	5.10	1957
1958	---	---	0.247	3.24	0.724	0.126	0	0	0	0	---	---	0.535	1958
1959	---	---	0.521	1.90	0.131	0.081	0.286	0	0	0.051	---	---	0.368	1959
1960	---	---	0.106	19.7	3.99	1.77	0.743	0.003	0	0	---	---	3.24	1960
1961	---	---	0	0.181	0.058	0	0	0	0	0	---	---	0.030	1961
1962	---	---	0	7.99	1.72	0.130	0	0	0	0	---	---	1.21	1962
1963	---	---	0.259	0.575	0.038	0.062	0.019	0.001	0	0	---	---	0.118	1963
1964	---	---	0	0.858	0.580	0.049	0	0	0	0.350	---	---	0.229	1964
1965	---	---	0	7.84	2.27	2.09	0.311	0.121	0.066	0.186	---	---	1.59	1965
1966	---	---	0	17.8	6.48	1.92	1.70	1.34	0.138	0.323	---	---	3.68	1966
1967	---	---	0.008	3.77	12.3	1.14	0.026	0.005	0.008	0.586	---	---	2.23	1967
1968	---	---	0.580	1.92	0.208	0.136	0.003	0.002	0.153	0	---	---	0.171	1968
1969	---	---	0	9.00	1.17	0.117	0.127	0.131	0.021	0.285	---	---	1.34	1969
1970	---	---	0	10.5	9.14	1.59	1.64	0.075	0	0.754	---	---	2.95	1970
1971	---	---	0.071	24.5	3.39	2.49	1.71	0.210	0	0.039	---	---	3.99	1971
1972	---	---	0.174	27.8	7.13	0.414	0.044	0.001	0	0	---	---	4.38	1972
1973	---	---	0.372	0.426	0.319	1.71	0.710	0.001	0.337	0.005	---	---	0.481	1973
1974	---	---	0.060	24.8	21.4	8.02	0.725	0.579	0.513	0.336	---	---	7.01	1974
1975	---	---	0.113	24.3	41.4	8.11	3.16	1.14	1.00	0.736	---	---	9.98	1975
1976	---	---	0.303	52.5	12.9	11.2	9.17	1.85	0.580	0.207	---	---	11.0	1976
1977	---	---	0.085	1.71	1.53	0.109	0	0	0	0	---	---	0.426	1977
1978	---	---	0	3.35	0.509	0.032	0.635	0.066	0.001	0.006	---	---	0.568	1978
1979	---	---	0.005	22.5	28.3	3.70	0.842	0.381	0.503	0.326	---	---	7.05	1979
1980	---	---	0.003	12.1	1.99	0.294	0.082	0.044	0.019	0.036	---	---	1.79	1980
1981	---	---	0.261	0.190	0.173	0.856	0.683	0.428	0.019	0.642	---	---	0.407	1981
1982	---	---	0.059	4.06	1.14	0.432	1.80	0.151	0.014	0.060	---	---	0.958	1982
1983	---	---	0.076	13.3	9.89	3.29	6.69	1.10	0.039	0.025	---	---	4.29	1983
1984	---	---	1.28	3.25	1.98	0.989	0.258	0	0	0.208	---	---	0.990	1984
1985	---	---	0.060	37.0	10.9	3.60	0.925	0.269	0.143	0.190	---	---	6.55	1985
1986	---	---	1.72	21.4	5.84	2.06	1.38	0.359	0.008	0.006	---	---	4.05	1986
1987	---	---	0.751	6.10	1.50	0.364	0.795	0.022	0.004	0.001	---	---	1.18	1987
1988	---	0.448	0.574	9.63	8.48	2.03	0.004	0.001	0	0	---	---	2.57	1988
1989	---	---	0	0.390	0.103	0.295	0.024	0	0	0	0.162	---	0.100	1989
1990	---	---	0	21.1	4.72	0.076	0.027	0	0	0.003	0.120	---	3.19	1990
MEAN	---	0.448	0.228	12.7	8.76	3.39	1.96	0.635	0.350	0.388	1.53	---	2.76	MEAN

LOCATION - LAT 51 38 11 N DRAINAGE AREA, 8 740 km²
LONG 102 22 11 W REGULATED

WHITESAND RIVER NEAR CANORA - STATION NO. 05MB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1943	---	44.7 B ON APR 12	0 B ON MAR 01 *	---	1943
1944	---	6.29 B ON APR 13	0 ON APR 01	---	1944
1945	---	4.84 ON MAR 31	0 ON MAR 01	---	1945
1946	---	11.2 ON MAR 30	0 ON AUG 28	---	1946
1947	---	41.0 ON APR 19	---	---	1947
1948	---	164 ON APR 26	0 ON SEP 13	---	1948
1949	---	5.86 ON APR 09	0 ON APR 01	---	1949
1950	---	32.3 ON APR 21	---	---	1950
1951	---	20.9 B ON APR 14	0 B ON APR 01	---	1951
1952	---	19.9 ON APR 07	0 ON JUL 17	---	1952
1953	---	48.7 ON JUL 01	---	---	1953
1954	---	115 ON JUN 15	---	---	1954
1955	145 AT 08:00 CST ON MAY 08	144 ON MAY 07	---	---	1955
1956	148 AT 18:00 CST ON APR 23	146 ON APR 23	---	---	1956
1957	---	89.8 ON APR 22	0 B ON MAR 01	108 000	1957
1958	8.38 AT 08:00 CST ON APR 04	7.87 ON APR 04	0 ON JUN 29	11 300	1958
1959	10.8 AT 18:30 CST ON APR 01	10.5 ON APR 01	0 ON MAR 01	7 790	1959
1960	86.7 AT 17:00 CST ON APR 15	80.4 ON APR 15	0 ON AUG 03	68 600	1960
1961	---	0.246 ON APR 12	0 ON MAR 01	627	1961
1962	---	40.5 ON APR 22	0 ON MAR 01	25 700	1962
1963	---	2.21 ON MAR 31	0 ON MAR 01	2 500	1963
1964	---	3.62 ON APR 16	0 ON MAR 01	4 840	1964
1965	---	32.8 B ON APR 15	0 B ON MAR 01	33 600	1965
1966	---	35.1 B ON APR 09	0 B ON MAR 01	77 800	1966
1967	---	26.2 ON APR 29	0 ON JUL 16	47 300	1967
1968	---	5.86 ON APR 03	0 B ON MAR 01	7 850	1968
1969	---	34.8 ON APR 15	0 B ON MAR 01	28 300	1969
1970	---	22.6 ON APR 14	0 B ON MAR 01	62 400	1970
1971	---	83.8 ON APR 14	0 ON AUG 29	84 500	1971
1972	96.6 ON APR 17	90.9 ON APR 17	0 ON JUL 20	92 700	1972
1973	---	3.43 ON JUN 07	0 ON MAR 01	10 200	1973
1974	112 AT 10:54 CST ON APR 22	104 ON APR 22	0.021B ON APR 06	148 000	1974
1975	135 AT 00:30 CST ON MAY 03	132 ON MAY 03	0.108B ON APR 16	211 000	1975
1976	202 B AT 19:40 CST ON APR 12 *	174 B ON APR 12 *	0.105 ON OCT 21	232 000	1976
1977	5.47 AT 17:43 CST ON APR 12	5.01 ON APR 12	0 ON JUN 25	9 030	1977
1978	7.19B AT 22:41 CST ON APR 09	6.85 B ON APR 10	0 B ON MAR 01	12 000	1978
1979	97.1 B AT 08:28 CST ON APR 26	96.8 B ON APR 26	0.005B ON MAR 01	149 000	1979
1980	35.1 B AT 14:11 CST ON APR 11	34.0 B ON APR 11	0 ON JUN 20	37 800	1980
1981	4.08 AT 03:49 CST ON OCT 17	2.72 ON JUN 18	0 ON SEP 24	8 620	1981
1982	11.4 AT 13:57 CST ON APR 21	10.5 B ON APR 21	0 B ON MAR 01	20 300	1982
1983	83.3 AT 23:23 CST ON APR 24	70.1 ON APR 25	0 ON SEP 20	90 800	1983
1984	7.10B AT 17:00 CST ON MAR 30	6.78 B ON MAR 30	0 ON JUL 21	21 000	1984
1985	80.3 AT 08:35 CST ON APR 15	80.1 ON APR 15	0.001 ON SEP 18	139 000	1985
1986	47.9 B AT 16:00 CST ON APR 03	46.3 B ON APR 03	0.003 ON OCT 02	85 700	1986
1987	13.0 B AT 13:13 CST ON APR 07	12.4 B ON APR 07	0.001 ON OCT 10	25 000	1987
1988	17.4 B AT 20:13 CST ON APR 12	16.6 B ON APR 12	0 ON SEP 09	54 500	1988
1989	1.48B AT 17:30 CST ON APR 08	1.29 ON JUN 14	0 B ON MAR 01	2 120	1989
1990	37.9 B AT 20:29 CST ON APR 12	36.6 B ON APR 12	0 B ON MAR 01	67 600	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		58 500	MEAN

WHITESAND RIVER NEAR KAMSACK - STATION NO. 05MB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0	3.72	0.860	0.146	0.001	0	0	0	---	---	---	1941
1942	---	---	---	8.00	0.638	0.257	0.369	0.521	---	---	---	---	---	1942
MEAN	---	---	0	5.86	0.749	0.202	0.185	0.261	0	0	---	---	---	MEAN

LOCATION - LAT 51 33 50 N
LONG 101 55 30 W
DRAINAGE AREA, 9 660 km^2
REGULATED

WHITESAND RIVER NEAR KAMSACK - STATION NO. 05MB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	12.7 ON APR 16 *	0 ON MAR 01 *	---	1941
1942	---	---	0 ON APR 01	---	1942
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

WHITESAND RIVER NEAR SHEHO - STATION NO. 05MB004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0	2.00	0.859	0.072	0	0	0	0	---	---	0.363	1957
1958	---	---	0	0.055	0.016	0	0	0	0	0	---	---	0.009	1958
1959	---	---	0	0	0	0	0	0	0	0	---	---	0	1959
1960	---	---	0	1.45	0.340	1.10	0.273	0	0	0	---	---	0.389	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.032	0.029	0	0	0	0	0	---	---	0.008	1962
1963	---	---	0.011	0.062	0.007	0	0	0	0	0	---	---	0.010	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.082	0.004	0.297	0.120	0.005	0	0	---	---	0.063	1965
1966	---	---	0	2.39	0.918	0.292	0.169	0.249	0.107	0.017	---	---	0.513	1966
1967	---	---	0	0.063	2.27	0.495	0.011	0	0	0	---	---	0.358	1967
1968	---	---	0.131	0.092	0.036	0.004	0	0	0	0	---	---	0.033	1968
1969	---	---	0	0.376	0.077	0.002	0	0	0	0	---	---	0.056	1969
1970	---	---	0	1.29	1.09	0.182	0.029	0	0	0	---	---	0.321	1970
1971	---	---	0	2.83	0.611	0.125	0.072	0.018	0	0	---	---	0.451	1971
1972	---	---	0	3.04	2.03	0.154	0.011	0	0	0	---	---	0.651	1972
1973	---	---	0	0.003	0.230	1.09	0.278	0.001	0	0	---	---	0.199	1973
MEAN	---	---	0.008	0.810	0.501	0.224	0.057	0.016	0.006	0.001	---	---	0.201	MEAN

LOCATION - LAT 51 35 34 N DRAINAGE AREA, 1 840 km²
LONG 103 02 38 W REGULATED

WHITESAND RIVER NEAR SHEHO - STATION NO. 05MB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	6.88 ON APR 21	0 ON MAR 01 *	7 680	1957
1958	---	0.170 ON APR 25	0B ON MAR 01	186	1958
1959	---	0 ON MAR 01	0 ON MAR 01	0	1959
1960	---	5.01 A ON APR 16	0B ON MAR 01	8 240	1960
1961	---	0 ON MAR 01	0 ON MAR 01	0	1961
1962	---	0.190A ON APR 21	0 ON MAR 01	160	1962
1963	---	0.085E ON MAR 29	0 ON MAR 01	210	1963
1964	---	0 ON MAR 01	0 ON MAR 01	0	1964
1965	---	1.12 B ON APR 14	0B ON MAR 01	1 330	1965
1966	---	10.4 B ON APR 18 *	0B ON MAR 01	10 900	1966
1967	---	4.08 B ON MAY 09	0B ON MAR 01	7 570	1967
1968	---	0.971A ON MAR 29	0B ON MAR 01	695	1968
1969	1.44 AT 00:10 CST ON APR 20	1.26 ON APR 20	0B ON MAR 01	1 190	1969
1970	3.43 AT 11:07 CST ON APR 23	3.40 ON APR 23	0B ON MAR 01	6 790	1970
1971	9.46B AT 21:00 CST ON APR 10	6.51 B ON APR 10	0B ON MAR 01	9 540	1971
1972	10.2 B ON APR 18 *	9.46 B ON APR 17	0B ON MAR 01	13 800	1972
1973	---	2.29 A ON JUN 06	0B ON MAR 01	4 210	1973
				4 260	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITESAND RIVER NEAR SPRINGSIDE - STATION NO. 05MB008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.041	6.60	1.68	0.596	0.192	0.086	0.030	0.031	---	---	1.14	1971
1972	---	---	0.001	7.65	3.09	0.322	0.064	0.028	0.028	0.072	---	---	1.39	1972
1973	---	---	0.094	0.137	0.449	1.46	0.479	0.036	0.030	0.096	---	---	0.345	1973
1974	---	---	0.014	6.88	9.55	2.60	0.282	0.057	0.094	0.179	---	---	2.45	1974
1975	---	---	0.041	9.04	10.4	1.63	0.154	0.057	0.177	0.075	---	---	2.69	1975
1976	---	---	0.132	16.4	1.98	4.92	1.84	0.080	0.051	0.097	---	---	3.14	1976
1977	---	---	0.112	0.301	0.401	0.012	0	0	0.014	0.088	---	---	0.116	1977
1978	---	---	0.048	0.591	0.155	0.023	0.297	0.002	0.008	0.107	---	---	0.153	1978
1979	---	---	0.017	8.92	10.6	1.72	0.193	0.299	0.455	0.219	---	---	2.79	1979
1980	---	---	0.040	1.10	0.405	0.030	0.009	0.042	0.023	0.022	---	---	0.207	1980
1981	---	---	0.081	0.088	0.064	0.256	0.089	0.088	0.030	0.077	---	---	0.096	1981
1982	---	---	0.085	2.24	0.439	0.095	0.111	0.012	0.003	0.033	---	---	0.373	1982
1983	---	---	0.080	1.88	2.22	0.647	2.11	0.659	0.011	0.012	---	---	0.953	1983
1984	---	---	0.174	1.34	1.31	0.799	0.257	0.006	0.002	0.075	---	---	0.493	1984
1985	---	---	0.236	12.2	3.06	1.31	0.180	0.032	0.076	0.129	---	---	2.12	1985
1986	---	---	1.23	5.69	1.73	0.320	0.196	0.012	0.002	0.006	---	---	1.14	1986
1987	---	---	0.424	2.84	0.863	0.175	0.290	0.022	0	0.048	---	---	0.578	1987
1988	---	---	0.305	4.17	1.89	0.270	0	0.090	0	0	---	---	0.834	1988
1989	---	---	0	0.043	0.026	0.056	0.017	0.001	0	0	0.288	---	0.018	1989
1990	---	---	0.016	6.32	1.21	0.084	0.006	0	0	0.560	---	---	1.01	1990
MEAN	---	---	0.159	4.72	2.58	0.866	0.338	0.080	0.052	0.096	0.288	---	1.10	MEAN

LOCATION - LAT 51 23 50 N DRAINAGE AREA, 2 650 km²
LONG 102 44 12 W REGULATED

WHITESAND RIVER NEAR SPRINGSIDE - STATION NO. 05MB008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	14.9 ON APR 14	0 ON SEP 12 *	24 200	1971
1972	---	19.8 ON APR 17	0 B ON MAR 01	29 400	1972
1973	---	2.92 ON JUN 09	0.003E ON AUG 23	7 300	1973
1974	24.2 AT 14:39 CST ON APR 24	23.9 ON APR 24	0.004 ON AUG 30	51 800	1974
1975	54.1 AT 07:58 CST ON APR 30	52.7 ON APR 30	0.007 ON AUG 21	56 900	1975
1976	58.6 AT 16:26 CST ON APR 10 *	54.1 ON APR 10 *	0.008 ON AUG 20	66 400	1976
1977	1.37 AT 17:02 CST ON MAY 09	1.18 ON MAY 07	0 E ON JUN 13	2 460	1977
1978	1.93B AT 07:54 CST ON APR 12	1.33 B ON APR 15	0 ON JUN 29	3 240	1978
1979	49.0 AT 20:18 CST ON APR 27	46.8 ON APR 28	0.002 ON AUG 16	59 100	1979
1980	2.19B AT 02:37 CST ON APR 06	1.87 B ON APR 06	0 ON JUL 12	4 370	1980
1981	1.36 AT 14:35 CST ON JUN 15	1.00 ON JUN 15	0.011 ON SEP 17	2 040	1981
1982	7.55B AT 07:10 CST ON APR 17	7.26 B ON APR 17	0 ON SEP 26	7 890	1982
1983	9.50 AT 02:02 CST ON APR 24	9.17 ON APR 24	0 ON SEP 17	20 200	1983
1984	2.77 AT 05:43 CST ON MAY 18	2.67 ON MAY 18	0 ON JUL 27	10 400	1984
1985	23.5 AT 22:37 CST ON APR 14	22.5 ON APR 14	0.001 ON AUG 11	44 900	1985
1986	12.2 AT 05:29 CST ON APR 06	12.1 ON APR 06	0 ON AUG 15	24 100	1986
1987	5.82 AT 03:47 CST ON APR 14	5.59 ON APR 14	0 ON SEP 05	12 200	1987
1988	7.02 AT 18:10 CST ON APR 16	6.99 ON APR 16	0 ON JUL 01	17 600	1988
1989	1.30 AT 09:49 CST ON JUL 15	0.231 ON JUN 25	0 B ON MAR 01	372	1989
1990	9.96 AT 14:53 CST ON APR 14	9.82 ON APR 14	0 ON JUL 25	21 400	1990
				23 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITEWATER CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AD001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	1.80	4.41	0.356	0.050	0.005	0.003	0.004	0.003	---	---	0.821	1927
1928	---	---	4.49	1.58	0.025	0.024	0.653	0.027	0.010	0.010	---	---	0.856	1928
1929	---	---	0.028	0.029	0.027	0.021	0.001	0	0.004	0.005	---	---	0.014	1929
1930	---	---	1.06	0.097	0.007	0.002	0.003	0.001	0.004	0.002	---	---	0.148	1930
1931	---	---	0.008	0.008	0.005	0.112	0.036	0.002	0.003	0.002	---	---	0.022	1931
1932	---	---	0.040	0.026	0.018	0.039	0.003	0	0.004	0.007	---	---	0.017	1932
1933	---	---	0.007	0.009	0.018	0.014	0.010	0.006	0.003	0.003	---	---	0.009	1933
1934	---	---	0.097	0.009	0.004	0.004	0.001	0	0.004	0.004	---	---	0.015	1934
1935	---	---	0.215	0.079	0.006	0.002	0.004	0	0.002	0.004	---	---	0.039	1935
1936	---	---	0.013	0.524	0.004	0.005	0	0	0.001	0.003	---	---	0.068	1936
1937	---	---	0	0.072	0.003	0.001	0.005	0	0	0.003	---	---	0.011	1937
1938	---	---	0.436	0.045	0.007	0.005	0.019	0	0	0.001	---	---	0.065	1938
1939	---	---	2.92	0.014	0.062	0.723	0.008	0	0.001	0.002	---	---	0.469	1939
1940	---	---	0.004	1.28	0.093	0.096	0.002	0.001	0.001	0.004	---	---	0.181	1940
1941	---	---	0.853	0.018	0.007	0.016	0.004	0	0.002	0.003	---	---	0.114	1941
1942	---	---	0.030	0.019	0.012	0.060	0.009	0.001	0.002	0.003	---	---	0.017	1942
1943	---	---	4.17	0.052	0.012	0.023	0.008	0	0	0.001	---	---	0.540	1943
1944	---	---	0.360	0.039	0.009	0.007	0.001	0	0	0.003	---	---	0.053	1944
1945	---	---	0.008	0.010	0.007	0.007	0.001	0	0.001	0.001	---	---	0.004	1945
1946	---	---	0.203	0.009	0.004	0.002	0.001	0	0	0.002	---	---	0.028	1946
1947	---	---	0.288	0.041	0.003	0.004	0.002	0	0	0	---	---	0.043	1947
1948	---	---	0.005	0.008	0.018	0.003	0	0	0	0	---	---	0.004	1948
1949	---	---	0.016	0.012	0.003	0.001	0	0	0	0.002	---	---	0.004	1949
1950	---	---	0	4.30	0.011	0.006	0.001	0	0.002	0.003	---	---	0.530	1950
1951	---	---	0	0.646	0.209	0.005	0.001	0.002	0.009	0.005	---	---	0.108	1951
1952	---	---	0	19.3	0.077	0.008	0.147	0.004	0.003	0.004	---	---	2.39	1952
1953	---	---	0.144	0.047	0.184	0.114	0.004	0	0	0.002	---	---	0.062	1953
1954	---	---	0.006	2.05	0.021	0.023	0.005	0.004	0.003	0.004	---	---	0.259	1954
1955	---	---	0.877	1.34	0.071	0.007	0.730	0.003	0.001	0.003	---	---	0.378	1955
1956	---	---	0.010	0.020	0.024	0.002	0	0	0.001	0	---	---	0.007	1956
1957	---	---	0.034	0.018	0.006	0.002	0	0	0	0.001	---	---	0.008	1957
1958	---	---	0.890	0.197	0.003	0.001	0	0	0	0	---	---	0.137	1958
1959	---	---	0.966	0.025	0.004	0.002	0.001	0	0	0.003	---	---	0.126	1959
1960	---	---	1.82	0.014	0.010	0.003	0.001	0	0	0.004	---	---	0.234	1960
1961	---	---	1.82	0.010	0.005	0.146	0.001	0	0	0.003	---	---	0.250	1961
1962	---	---	0.470	0.043	0.005	0.029	3.13	0.014	0.001	0.005	---	---	0.467	1962
1963	---	---	0.062	0.017	0.008	0.013	0.001	0	0	0.003	---	---	0.013	1963
1964	---	---	0.001	0.008	0.011	0.003	0.001	0	0.003	0.003	---	---	0.004	1964
1965	---	---	0	0.158	0.016	0.008	0.008	0	0.004	0.003	---	---	0.024	1965
1966	---	---	1.92	0.032	0.028	0.003	0.002	0	0.001	0.001	---	---	0.252	1966
1967	---	---	0.625	1.51	0.075	0.007	0	0	0.001	0.003	---	---	0.215	1967
1968	---	---	0.011	0.008	0.005	0.002	0	0.001	0.002	0.003	---	---	0.004	1968
1969	---	---	0.003	0.380	0.048	0.007	0.024	0	0	0.003	---	---	0.057	1969
1970	---	---	0.201	0.031	0.041	0.030	0.003	0	0.001	0.002	---	---	0.039	1970
1971	---	---	0.004	0.115	0.015	0.007	0.002	0	0.001	0.006	---	---	0.018	1971
1972	---	---	0.128	0.017	0.008	0.002	0.001	0.001	0.001	0.003	---	---	0.020	1972
1973	---	---	0.041	0.018	0.006	0.002	0	0	0.001	0.002	---	---	0.009	1973
1974	---	---	2.58	0.552	0.192	0.017	0.001	0.002	0.002	0.002	---	---	0.421	1974
1975	---	---	0.010	0.170	0.244	0.012	0.001	0.001	0.002	0.003	---	---	0.055	1975
1976	---	---	0.888	0.017	0.003	0.002	0.001	0	0.001	0.002	---	---	0.116	1976
1977	---	---	0.015	0.022	0.007	0.004	0.001	0	0.002	0.004	---	---	0.007	1977
1978	---	---	0.620	2.08	0.105	0.008	0.002	0.001	0.003	0.003	---	---	0.348	1978
1979	---	---	0.749	0.561	0.032	0.003	0.001	0	0.001	0.003	---	---	0.169	1979
MEAN	---	---	0.603	0.794	0.041	0.032	0.091	0.001	0.002	0.003	---	---	0.195	MEAN

LOCATION - LAT 48 57 00 N
LONG 107 52 00 W
DRAINAGE AREA, 3 190 km²
NATURAL FLOW
INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1934

WHITEWATER CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	32.3 AT 11:50 MST ON APR 05	26.1 ON APR 05	0 B ON MAR 01 *	17 400	1927
1928	51.3 AT 22:30 MST ON MAR 21	29.4 ON MAR 21	0.006 ON MAY 22	18 100	1928
1929	0.201 AT 08:00 MST ON APR 30	0.133 ON APR 30	0 ON JUN 27	306	1929
1930	---	5.49 B ON MAR 13	0 B ON MAR 01	3 140	1930
1931	18.0 AT 09:00 MST ON JUN 30	3.20 ON JUN 30	0.001 ON JUN 18	458	1931
1932	3.48 AT 23:00 MST ON MAY 31	0.580 ON JUN 01	0 B ON MAR 01	359	1932
1933	0.241 AT 03:30 MST ON AUG 22	0.071 ON AUG 22	0 B ON MAR 08	183	1933
1934	---	0.566B ON MAR 01	0 ON JUN 22	326	1934
1935	---	1.42 B ON MAR 19	0 B ON MAR 01	827	1935
1936	---	6.23 ON APR 10	0 B ON MAR 01	1 430	1936
1937	0.784 AT 18:00 MST ON JUL 11	0.425B ON APR 09	0 B ON MAR 01	222	1937
1938	---	6.51 B ON MAR 17	0 B ON MAR 01	1 370	1938
1939	64.8 AT 23:00 MST ON MAR 20	32.6 ON MAR 21	0 ON MAR 01	9 940	1939
1940	22.3 AT 19:00 MST ON APR 21	11.3 ON APR 21	0 ON JUL 07	3 840	1940
1941	12.7 AT 12:30 MST ON MAR 19	3.99 ON MAR 20	0 B ON MAR 17	2 410	1941
1942	0.977 AT 13:30 MST ON JUN 05	0.490 ON JUN 05	0 B ON MAR 01	357	1942
1943	79.6 AT 01:00 MST ON MAR 25	50.1 ON MAR 25	0 B ON MAR 01	11 400	1943
1944	4.79 B AT 12:30 MST ON MAR 20	3.11 B ON MAR 22	0 ON MAR 01	1 120	1944
1945	0.023B AT 23:30 MST ON MAR 21	0.020B ON MAR 15	0 B ON MAR 01	92.4	1945
1946	1.90 B AT 10:30 MST ON MAR 02	1.76 B ON MAR 01	0 ON JUN 16	594	1946
1947	---	1.90 B ON MAR 25	0 B ON MAR 01	902	1947
1948	0.663 ON MAY 22	0.207 ON MAY 23	0 B ON MAR 01	90.7	1948
1949	0.125B AT 15:00 MST ON MAR 08	0.071B ON MAR 08	0 B ON MAR 01	94.1	1949
1950	60.0 B AT 24:00 MST ON APR 15	30.9 B ON APR 15	0 B ON MAR 01	11 200	1950
1951	12.1 AT 03:00 MST ON MAY 01	4.08 ON MAY 01	0 B ON MAR 01	2 290	1951
1952	99.1 AT 02:00 MST ON APR 14 *	72.2 ON APR 14 *	0 B ON MAR 01	50 600	1952
1953	7.62 AT 19:00 MST ON MAY 29	1.56 B ON MAR 28	0 ON MAR 01	1 310	1953
1954	60.3 E ON APR 06	31.1 E ON APR 06	0 ON JUL 14	5 490	1954
1955	29.7 AT 22:15 MST ON JUL 12	17.0 B ON MAR 31	0 B ON MAR 01	8 010	1955
1956	0.071B AT 21:00 MST ON MAR 24	0.062B ON MAR 24	0 B ON MAR 01	152	1956
1957	0.934B AT 14:00 MST ON MAR 21	0.255B ON MAR 21	0 B ON MAR 01	161	1957
1958	14.2 AT 05:00 MST ON MAR 29	8.35 ON MAR 29	0 ON MAR 01	2 910	1958
1959	---	5.95 B ON MAR 27	0 B ON MAR 01	2 680	1959
1960	26.5 B AT 23:45 MST ON MAR 19	16.8 B ON MAR 20	0 ON MAR 01	4 950	1960
1961	43.0 B AT 09:45 MST ON MAR 17	27.3 B ON MAR 17	0 ON JUN 05	5 300	1961
1962	77.9 AT 22:00 MST ON JUL 13	33.4 ON JUL 14	0 ON MAR 01	9 890	1962
1963	0.561 AT 15:45 MST ON MAR 02	0.283E ON MAR 01	0 ON JUN 02	273	1963
1964	0.059 ON MAY 04	0.054 ON MAY 04	0 A ON MAR 01	78.0	1964
1965	5.66 B AT 16:30 MST ON APR 11	1.84 B ON APR 11	0 ON MAR 01	512	1965
1966	16.5 AT 18:00 MST ON MAR 15	9.97 ON MAR 17	0 ON MAR 01	5 330	1966
1967	11.5 B AT 17:30 MST ON APR 09	9.97 B ON APR 09	0 B ON MAR 01	5 820	1967
1968	0.031A AT 15:20 MST ON MAR 03	0.023E ON MAR 02	0 ON JUL 08	88.5	1968
1969	6.60 B AT 22:30 MST ON APR 07	3.23 B ON APR 08	0 B ON MAR 01	1 210	1969
1970	2.15 B AT 16:00 MST ON MAR 25	1.33 B ON MAR 21	0 B ON MAR 01	824	1970
1971	1.67 AT 18:00 CST ON APR 05	0.934 ON APR 06	0 ON JUL 28	389	1971
1972	3.54 B AT 17:30 MST ON MAR 14	1.08 B ON MAR 14	0 ON MAR 01	427	1972
1973	0.306B AT 17:00 CST ON MAR 03	0.227B ON MAR 02	0 ON JUL 07	187	1973
1974	19.4 B AT 19:00 CST ON MAR 30	17.3 B ON MAR 30	0 ON JUL 24	8 920	1974
1975	4.90 B AT 22:00 CST ON APR 14	3.06 ON MAY 07	0 ON JUL 15	1 170	1975
1976	21.2 B ON MAR 18	14.5 B ON MAR 19	0 E ON JUL 08	2 450	1976
1977	0.176 AT 19:00 MST ON APR 06	0.136 ON APR 06	0 ON JUL 03	142	1977
1978	17.4 B AT 01:00 CST ON APR 02	12.0 ON APR 05	0 ON JUL 28	7 370	1978
1979	11.4 AT 18:30 CST ON APR 07	6.51 B ON MAR 25	0 B ON MAR 01	3 570	1979
				4 130	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILCOX MAIN DITCH NEAR WILCOX - STATION NO. 05JE008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	1.64	0.541	0.004	0	0	0	0	---	---	0.269	1975
1976	---	---	0.008	3.49	0.144	0.299	0.003	0	0	0	---	---	0.483	1976
1977	---	---	0.001	0	0	0	0.007	0	0	0	---	---	0.001	1977
1978	---	---	0.019	0.019	0	0	0	0	0	0	---	---	0.005	1978
1979	---	---	0	0.958	0.334	0.015	0.663	0.013	0	0	---	---	0.247	1979
1980	---	---	0	0.098	0.001	0	0	0	0	0	---	---	0.012	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	2.24	0.098	0	0.005	0	0	0	---	---	0.288	1982
1983	---	---	0	0.758	0.045	0	0	0	0	0	---	---	0.099	1983
1984	---	---	0.016	0.010	0	0	0	0	0	0	---	---	0.003	1984
1985	---	---	0.012	0.026	0	0	0	0	0	0	---	---	0.005	1985
1986	---	---	0.042	0.014	0.371	0	0	0	0	0	---	---	0.054	1986
1987	---	---	0.023	0.019	0.038	0.001	0	0	0	0	---	---	0.010	1987
1988	---	0	0.003	0	0	0	0	0	0	0.002	0	---	0.001	1988
1989	---	---	0	0.042	0	0.002	0	0	0	0	---	---	0.005	1989
1990	---	---	0.011	0.006	0	0	0	0	0	0	---	---	0.002	1990
MEAN	---	0	0.008	0.583	0.098	0.020	0.042	0.001	0	0	0	---	0.093	MEAN

LOCATION - LAT 50 03 41 N
LONG 104 46 53 W
DRAINAGE AREA, 270 km^2
REGULATED

WILCOX MAIN DITCH NEAR WILCOX - STATION NO. 05JE008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	7.73 B AT 17:45 CST ON APR 20	6.26 B ON APR 21	0B ON MAR 01 *	5 700	1975
1976	11.7 AT 08:31 CST ON APR 06	11.5 ON APR 06	0B ON MAR 01	10 200	1976
1977	0.082 AT 20:07 CST ON JUL 11	0.051 ON JUL 12	0B ON MAR 01	21.5	1977
1978	---	0.235B ON MAR 31	0B ON MAR 01	100	1978
1979	7.25 AT 18:58 CST ON APR 22	4.92 ON APR 23	0B ON MAR 01	5 230	1979
1980	---	0.478 ON APR 09	0B ON MAR 01	257	1980
1981	0.025B AT 12:45 CST ON MAR 12	0.006B ON MAR 12	0B ON MAR 01	1.30	1981
1982	12.5 AT 14:43 CST ON APR 19 *	12.3 ON APR 19 *	0B ON MAR 01	6 090	1982
1983	4.17 AT 05:50 CST ON APR 15	3.71 ON APR 15	0B ON MAR 01	2 090	1983
1984	0.171B AT 16:20 CST ON MAR 20	0.133 ON APR 06	0B ON MAR 01	69.0	1984
1985	0.313B AT 06:49 CST ON APR 02	0.192B ON APR 02	0B ON MAR 01	98.1	1985
1986	2.34 AT 21:57 CST ON MAY 10	2.21 ON MAY 10	0B ON MAR 01	1 140	1986
1987	0.826 AT 19:28 CST ON MAY 28	0.532 ON MAY 29	0B ON MAR 01	217	1987
1988	0.057 AT 13:15 CST ON OCT 30	0.026B ON MAR 24	0B ON MAR 09	11.8	1988
1989	0.294B AT 13:47 CST ON APR 06	0.206B ON APR 06	0B ON MAR 01	112	1989
1990	0.215B AT 13:41 CST ON MAR 28	0.085B ON MAR 29	0B ON MAR 01	43.5	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 960	MEAN

WILKES BROS. DITCH NEAR CYARAT - STATION NO. 11AB064

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	0	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	0	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	0	---	0	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0	0.006	0.009	0.007	0.005	0	0	0	0	---	0.003	1920
1921	---	---	0	0	0	0.034	0	0	0	0.001	0	---	0.004	1921
1922	---	---	0	0	0	0.023	0	0	0	0	0	---	0.003	1922
1923	---	---	0	0	0.091	0.020	0	0	0	0	0.040	---	0.014	1923
1924	---	---	0	0	0.017	0.013	0.002	0	0	0	0	---	0.004	1924
1925	---	---	0	0	0.007	0.020	0	0	0.001	0.018	0	---	0.006	1925
1926	---	---	0	0.007	0.013	0	0	0	0	0	0	---	0.003	1926
1927	---	---	0	0	0	0	0	0.003	0	0	0	---	0	1927
1928	---	---	0	0	0.013	0.008	0	0	0	0	0	---	0.003	1928
1929	---	---	0	0	0	0	0	0	0	0	0	---	0	1929
1930	---	---	0	0	0.024	0	0	0	0	0	0	---	0.003	1930
MEAN	---	---	0	0.001	0.012	0.009	0.001	0	0	0.001	0.003	---	0.003	MEAN

LOCATION - LAT 49 26 30 N
LONG 109 35 00 W REGULATED

WILKES BROS. DITCH NEAR CYARAT - STATION NO. 11AB064

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 01	0 ON MAR 01 *	0	1915
1916	---	0 ON MAR 01	0 ON MAR 01	0	1916
1917	---	0 ON MAR 01	0 ON MAR 01	0	1917
1918	---	---	0 ON MAY 11	---	1918
1919	---	---	0 ON JUL 18	---	1919
1920	---	0.057 ON MAY 04	0 ON MAR 01	70.1	1920
1921	---	0.170 ON JUN 19 *	0 ON MAR 01	90.2	1921
1922	---	0.125 ON JUN 12	0 ON MAR 01	59.1	1922
1923	---	0.110E ON MAY 01	0 ON MAR 01	296	1923
1924	---	0.068 ON MAY 09	0 ON MAR 01	83.1	1924
1925	---	0.068 ON OCT 02	0 ON MAR 01	122	1925
1926	---	0.068 ON APR 27	0 ON MAR 01	53.4	1926
1927	---	0.028 ON AUG 08	0 ON MAR 01	8.81	1927
1928	---	0.076 ON MAY 29	0 ON MAR 01	56.7	1928
1929	---	0 ON MAR 01	0 ON MAR 01	0	1929
1930	---	0.076 ON MAY 12	0 ON MAR 01	63.8	1930
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		64.5	MEAN

WILLIAM RIVER ABOVE CARSWELL RIVER - STATION NO. 07MA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	26.4	31.2	23.1	28.0	21.9	14.7	---	1976
1977	13.1	13.5	13.6	29.2	33.6	31.5	28.3	27.7	30.3	27.8	21.9	18.4	24.1	1977
1978	14.4	11.3	11.7	14.6	43.2	25.4	18.0	18.3	---	22.5	27.5	17.9	---	1978
1979	13.9	12.5	13.0	15.9	41.4	27.3	18.8	18.3	17.8	21.5	21.6	16.2	19.9	1979
1980	10.0	10.0	8.64	19.7	17.7	13.4	12.1	12.6	13.5	15.6	12.3	6.66	12.7	1980
1981	7.95	8.19	9.02	12.3	44.7	14.2	11.6	9.59	8.54	9.06	9.45	7.29	11.1	1981
1982	6.25	6.22	7.23	10.4	33.0	17.6	11.5	14.1	15.2	14.3	11.1	9.06	13.2	1982
1983	8.27	8.43	10.5	14.1	29.2	27.2	19.0	14.1	14.6	15.8	12.0	9.50	16.5	1983
1984	8.83	10.1	11.3	16.9	18.6	14.4	14.7	14.6	17.9	20.4	21.1	13.4	15.2	1984
1985	11.3	9.99	11.9	35.0	50.0	32.0	22.7	18.3	22.9	23.4	19.0	13.8	22.6	1985
1986	11.8	12.1	15.5	27.7	43.0	25.2	32.5	30.0	24.3	23.7	19.3	11.5	23.1	1986
1987	10.8	12.0	12.2	26.9	45.1	23.8	16.8	17.3	20.2	18.7	19.1	16.9	20.0	1987
1988	12.6	11.9	11.6	12.5	42.3	26.6	29.0	27.1	29.6	25.6	24.6	21.2	22.9	1988
1989	15.1	13.0	12.3	14.7	47.0	29.9	26.0	16.1	20.8	23.8	22.2	20.5	21.9	1989
1990	19.1	17.3	17.1	19.4	36.1	23.7	15.2	12.0	13.3	14.4	14.5	13.2	18.0	1990
MEAN	11.7	11.2	11.8	19.2	36.1	23.7	20.4	18.7	19.4	21.0	18.5	14.0	18.5	MEAN

LOCATION - LAT 58 48 50 N LONG 109 00 10 W DRAINAGE AREA, 4 030 km² NATURAL FLOW

WILLIAM RIVER ABOVE CARSWELL RIVER - STATION NO. 07MA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	---	48.4E ON APR 28	11.4 RB ON JAN 20	761 000	1977
1978	---	58.6 ON MAY 02	9.06B ON MAR 10	---	1978
1979	52.3 AT 19:18 CST ON MAY 22	52.1 ON MAY 22	10.4 B ON MAR 06	627 000	1979
1980	---	30.4B ON APR 21	5.01B ON DEC 28 *	400 000	1980
1981	33.6B AT 20:37 CST ON MAY 02	31.8B ON MAY 01	5.26B ON JAN 01	349 000	1981
1982	---	42.0E ON MAY 08	6.19B ON FEB 01	417 000	1982
1983	36.1 AT 18:15 CST ON APR 29	32.7 ON APR 30	6.26B ON JAN 30	482 000	1983
1984	---	26.2B ON NOV 01	8.70B ON JAN 20	480 000	1984
1985	---	66.0E ON MAY 01 *	8.85B ON FEB 10	712 000	1985
1986	55.0 AT 23:15 CST ON MAY 02	52.6 ON MAY 03	9.63B ON FEB 26	729 000	1986
1987	59.8 AT 22:16 CST ON MAY 03 *	56.3 ON MAY 04	9.68B ON JAN 06	632 000	1987
1988	50.2 AT 10:35 CST ON MAY 13	50.2 ON MAY 13	10.2 B ON APR 16	726 000	1988
1989	56.2 AT 14:47 CST ON MAY 23	55.6 ON MAY 23	11.3 B ON FEB 25	689 000	1989
1990	41.1B AT 15:20 CST ON MAY 06	39.3B ON MAY 06	10.8 ON AUG 22	566 000	1990
				582 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED R - REVISED SINCE JAN 01 1989

WILLIAM RIVER AT SANDY BAY - STATION NO. 07MA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	46.6R	43.0R	---	---	---	---	---	---	1977
MEAN	---	---	---	---	---	46.6R	43.0R	---	---	---	---	---	---	MEAN

LOCATION - LAT 59 08 00 N LONG 109 18 15 W DRAINAGE AREA, 5 970 km² NATURAL FLOW DATA CONTRIBUTED BY - UNIVERSITY OF ALBERTA R - REVISED SINCE JAN 01 1989

WILLIAM RIVER AT SANDY BAY - STATION NO. 07MA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
				---	MEAN

WILLOW BROOK AT WILLOWBROOK - STATION NO. 05MB005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0.168	0.256	0.003	0	0	0	0	---	---	0.053	1964
1965	---	---	0	0.179	0.297	0.416	0.079	0	0	0	---	---	0.120	1965
1966	---	---	0	0.670	0.118	0.077	0.030	0.001	0	0	---	---	0.138	1966
1967	---	---	0	0.290	0.657	0.009	0	0	0	0	---	---	0.120	1967
1968	---	---	0.013	0.078	0.001	0	0	0	0	0	---	---	0.011	1968
1969	---	---	0	0.982	0.001	0	0	0.001	0	0	---	---	0.121	1969
1970	---	---	0	0.888	1.22	0.087	0.002	0	0	0	---	---	0.273	1970
1971	---	---	0	1.17	0.047	0.077	0.032	0	0	0	---	---	0.162	1971
1972	---	---	0	1.11	0.062	0	0	0	0	0	---	---	0.143	1972
1973	---	---	0	0	0	0.032	0.046	0.015	0.007	0.001	---	---	0.013	1973
1974	---	---	0	1.06	1.75	0.522	0	0	0	0	---	---	0.415	1974
1975	---	---	0	3.42	2.30	0.586	0.043	0	0	0	---	---	0.786	1975
1976	---	---	0	3.53	0.363	1.46	0.211	0.001	0	0	---	---	0.684	1976
1977	---	---	0	0	0.006	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0	0	0.070	0.003	0	0	0	0	---	---	0.009	1978
1979	---	---	0	0.761	0.986	0.050	0	0	0	0	---	---	0.224	1979
1980	---	---	0	0.010	0	0	0	0	0	0	---	---	0.001	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.150	0.002	0.002	0	0	0	0	---	---	0.019	1982
1983	---	---	0	0.352	0.254	0.409	0.433	0.006	0	0	---	---	0.181	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	1.86	0.061	0.019	0.006	0	0	0	---	---	0.239	1985
1986	---	---	0.133	0.370	0.138	0.002	0	0	0	0	---	---	0.080	1986
1987	---	---	0	0.209	0.003	0	0	0	0	0	---	---	0.026	1987
1988	---	---	0	0.023	0.026	0	0	0	0	0	---	---	0.006	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0.544	0.090	0	0	0	0	0	---	---	0.078	1990
MEAN	---	---	0.005	0.660	0.331	0.139	0.033	0.001	0	0	---	---	0.145	MEAN

LOCATION - LAT 51 12 20 N, LONG 102 48 05 W DRAINAGE AREA, 402 km² REGULATED

WILLOW BROOK AT WILLOWBROOK - STATION NO. 05MB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0.782 ON APR 11	0B ON MAR 01 *	1 130	1964
1965	---	1.98 ON MAY 28	0B ON MAR 01	2 550	1965
1966	---	4.49 B ON APR 09	0B ON MAR 01	2 920	1966
1967	---	4.49 B ON APR 28	0B ON MAR 01	2 530	1967
1968	---	0.303 ON APR 02	0B ON MAR 01	240	1968
1969	---	4.25 ON APR 14	0B ON MAR 01	2 550	1969
1970	---	4.93 ON MAY 05	0B ON MAR 01	5 780	1970
1971	---	2.78 B ON APR 16	0B ON MAR 01	3 440	1971
1972	4.45 ON APR 17	3.96 ON APR 18	0B ON MAR 01	3 040	1972
1973	---	0.462 ON JUL 04	0B ON MAR 01	266	1973
1974	6.09 B AT 04:16 CST ON APR 20	5.07 ON MAY 23	0B ON MAR 01	8 780	1974
1975	25.8 AT 11:15 CST ON APR 29 *	24.0 ON APR 29 *	0B ON MAR 01	16 600	1975
1976	15.1 AT 14:19 CST ON APR 11	11.9 ON APR 11	0B ON MAR 01	14 500	1976
1977	0.054 AT 00:13 CST ON MAY 12	0.048 ON MAY 10	0B ON MAR 01	14.9	1977
1978	---	0.300E ON MAY 05	0B ON MAR 01	193	1978
1979	5.46 AT 12:00 CST ON APR 28	5.02 ON APR 28	0B ON MAR 01	4 740	1979
1980	0.191B AT 23:30 CST ON APR 16	0.107 ON APR 17	0B ON MAR 01	25.8	1980
1981	0.002 AT 13:20 CST ON JUL 13	0 ON MAR 01	0 ON MAR 01	0	1981
1982	0.956 AT 01:12 CST ON APR 22	0.883 ON APR 22	0B ON MAR 01	400	1982
1983	6.04 AT 08:36 CST ON JUN 26	5.16 ON JUN 26	0B ON MAR 01	3 830	1983
1984	---	0.002B ON MAR 28	0B ON MAR 01	0.864	1984
1985	5.68 AT 17:54 CST ON APR 16	5.32 ON APR 16	0B ON MAR 01	5 050	1985
1986	1.01 AT 09:58 CST ON APR 06	0.957 ON APR 06	0B ON MAR 01	1 690	1986
1987	1.35 AT 14:13 CST ON APR 10	1.29 ON APR 10	0B ON MAR 01	550	1987
1988	0.250B AT 20:15 CST ON APR 16	0.222B ON APR 16	0B ON MAR 01	131	1988
1989	0.010 AT 12:00 CST ON JUN 23	0 B ON MAR 01	0B ON MAR 01	0	1989
1990	1.70 AT 08:42 CST ON APR 23	1.68 ON APR 23	0B ON MAR 01	1 650	1990
				3 060	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOWS COULEE NEAR ASSINIBOIA - STATION NO. 05JD003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.160	0.129	0.018	0.050	0	0	0	0	---	---	0.045	1970
1971	---	---	0.160	0.050	0	0	0	0	0	0	---	---	0.026	1971
1972	---	---	0.015	0	0	0	0	0	0	0	---	---	0.002	1972
1973	---	---	0.000	0.003	0	0.003	0	0	0	0	---	---	0.002	1973
1974	---	---	0.172	0.435	0.016	0	0	0.003	0	0.004	---	---	0.078	1974
1975	---	---	0.003	0.372	0.006	0.001	0	0	0	0	---	---	0.047	1975
MEAN	---	---	0.086	0.165	0.007	0.009	0	0.001	0	0.001	---	---	0.033	MEAN

LOCATION - LAT 49 36 31 N, LONG 105 50 50 W DRAINAGE AREA, 47.9 km² REGULATED

WILLOWS COULEE NEAR ASSINIBOIA - STATION NO. 05JD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	1.18 B AT 23:00 CST ON APR 04	0.898B ON APR 05	0B ON MAR 01 *	942	1970
1971	1.23 B AT 22:23 CST ON MAR 30	0.530B ON MAR 29	0B ON MAR 01	559	1971
1972	---	0.156B ON MAR 14	0B ON MAR 01	40.8	1972
1973	0.108B AT 18:11 CST ON MAR 02	0.065 ON JUN 04	0B ON MAR 06	37.7	1973
1974	3.79 B AT 19:45 CST ON APR 09 *	2.70 B ON APR 09 *	0B ON MAR 01	1 650	1974
1975	3.43 B AT 20:42 CST ON APR 21	2.35 B ON APR 21	0B ON MAR 01	988	1975
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		703	MEAN

WILSON CREEK NEAR KILOMETRE 21, CARON - STATION NO. 05JG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	---	---	---	---	0.003	0	---	1916
MEAN	---	---	---	---	---	---	---	---	---	---	0.003	0	---	MEAN

LOCATION - LAT 50 26 10 N, LONG 105 49 04 W DRAINAGE AREA, 37.3 km^2, NATURAL FLOW

REMARKS - FORMERLY PUBLISHED UNDER "SPRING CREEK"

WILSON CREEK NEAR KILOMETRE 21, CARON - STATION NO. 05JG002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	0 ON MAR 16 *	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

WIMMER BROOK NEAR WIMMER - STATION NO. 05MA019

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	1.16	0.052	0	0	0	0	0	---	---	---	1966
1967	---	---	0	1.49	0.627	0.001	0	0	0	0	---	---	0.262	1967
1968	---	---	0.165	0.051	0	0	0	0	0	0	---	---	0.027	1968
1969	---	---	0	1.50	0.057	0	0	0	0	0	---	---	0.191	1969
1970	---	---	0	1.70	0.506	0.004	0	0	0	0	---	---	0.273	1970
1971	---	---	0	1.71	0.097	0	0	0	0	0	---	---	0.222	1971
1972	---	---	0	4.14	0.385	0.001	0	0	0	0	---	---	0.555	1972
1973	---	---	0.045	0.007	0	0	0	0	0	0	---	---	0.007	1973
1974	---	---	---	---	0.516	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	---	---	---	---	---	---	---	---	---	1975
MEAN	---	---	0.030	1.47	0.249	0.001	0	0	0	0	---	---	0.220	MEAN

LOCATION - LAT 52 03 22 N, LONG 104 23 45 W DRAINAGE AREA, 152 km^2, NATURAL FLOW DATA CONTRIBUTED BY - SASKATCHEWAN RESEARCH COUNCIL

WIMMER BROOK NEAR WIMMER - STATION NO. 05MA019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	4.22 ON APR 06	---	---	1966
1967	---	8.92 ON APR 27	0E ON MAR 01 *	5 550	1967
1968	---	1.41 ON MAR 28	0E ON MAR 01	575	1968
1969	---	8.41 ON APR 11	0E ON MAR 01	4 050	1969
1970	---	6.54 ON APR 11	0B ON MAR 01	5 780	1970
1971	---	12.1 ON APR 11	0E ON MAR 01	4 690	1971
1972	---	10.6 ON APR 13	0E ON MAR 01	11 800	1972
1973	---	0.538 ON MAR 25	0E ON MAR 01	140	1973
1974	---	18.8 ON APR 19 *	---	---	1974
1975	---	13.3 ON APR 29	---	---	1975
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 660	MEAN

WIWA CREEK NEAR GRAVELBOURG - STATION NO. 05JC001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	0.585	0.012	---	---	---	---	---	---	---	---	1921
1922	---	---	0.202	1.15	0.221	0.044	---	---	---	---	---	---	---	1922
1923	---	---	0	1.97	0.018	4.16	1.01	0.009	---	---	---	---	---	1923
1924	---	---	0.033	1.73	0	---	---	---	---	---	---	---	---	1924
1925	---	---	5.67	5.93	0.352	0.260	0.001	0	---	---	---	---	---	1925
1936	---	---	0.821	2.26	0.174	0.001	---	---	---	---	---	---	---	1936
1966	---	---	2.61	0.804	0.103	0	0	0	0	0	---	---	0.442	1966
1967	---	---	0	5.73	1.82	0.118	0	0	0	0	---	---	0.946	1967
1968	---	---	3.10	0.484	0.016	0	0	0	0	0	---	---	0.453	1968
1969	---	---	0	10.0	0.238	0	0.813	0.134	0	0.001	---	---	1.38	1969
1970	---	---	1.07	7.32	0.407	1.34	0.129	0	0	0	---	---	1.26	1970
1971	---	---	0.014	3.15	0.077	0	0	0	0	0	---	---	0.397	1971
1972	---	---	0.035	0.045	0	0	0	0.083	0	0	---	---	0.021	1972
1973	---	---	0.014	0	0	0	0	0	0	0	---	---	0.002	1973
1974	---	---	0	8.31	2.89	0.097	0	0	0	0	---	---	1.40	1974
MEAN	---	---	0.969	3.28	0.422	0.463	0.178	0.021	0	0	---	---	0.700	MEAN

LOCATION - LAT 50 02 14 N LONG 106 32 58 W DRAINAGE AREA, 1 560 km² REGULATED

WIWA CREEK NEAR GRAVELBOURG - STATION NO. 05JC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	---			
1922	---	4.25 B ON APR 05	0 ON MAY 26 *	---	1921
1923	---	19.1 ON JUN 27	0B ON MAR 01	---	1922
1924	---	6.46 ON APR 09	0B ON MAR 01	---	1923
1925	---	45.3 B ON MAR 29 *	0B ON MAR 01	---	1924
1936	---	7.93 E ON APR 18	0B ON MAR 01	---	1925
1966	---			---	1936
1967	24.4 AT 05:30 CST ON APR 12	18.3 B ON MAR 16	0B ON MAR 01	9 350	1966
1968	17.4 B AT 05:30 CST ON MAR 05	23.3 ON APR 12	0B ON MAR 01	20 000	1967
1969	---	11.0 B ON MAR 05	0 ON MAY 18	9 590	1968
1970	49.6 AT 14:10 CST ON APR 09 *	38.8 B ON APR 07	0B ON MAR 01	29 100	1969
1971	---	41.3 ON APR 10	0 ON MAR 01	26 700	1970
1972	5.92 AT 17:02 CST ON AUG 16	22.8 B ON APR 13	0B ON MAR 01	8 410	1971
1973	---	1.89 ON AUG 16	0B ON MAR 01	436	1972
1974	44.5 AT 03:42 CST ON APR 17	0.110B ON MAR 09	0B ON MAR 01	36.8	1973
		41.6 ON APR 16	0B ON MAR 01	29 500	1974
				14 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WIWA CREEK NEAR ST. BOSWELLS - STATION NO. 05JC006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	1.01	---	---	---	---	---	---	---	---	1974
1975	---	---	0.034	5.61	1.61	0.033	0	0	0	0	---	---	0.899	1975
1976	---	---	7.18	3.21	0.018	0.049	0.020	0	0	0	---	---	1.31	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	1.93	1.67	0.107	0.037	1.36	0.016	0.183	0.123	---	---	0.679	1978
1979	---	---	3.14	2.98	0.698	0.068	0.017	0	0	0	---	---	0.860	1979
1980	---	---	1.65	1.27	0	0	0	0	0	0	---	---	0.364	1980
1981	---	---	0.027	0	0	0	0.040	0.006	0	0	---	---	0.009	1981
1982	---	---	2.26	9.43	1.07	0.641	0.495	0.033	0.016	0	---	---	1.73	1982
1983	---	0.220	4.51	4.60	0.415	0.009	2.27	0.052	0	0	---	---	1.48	1983
1984	---	---	0.025	0.021	0	0	0	0	0	0	---	---	0.006	1984
1985	---	---	1.15	0.210	0	0	0	0	0	0	---	---	0.172	1985
1986	---	0.815	2.10	0.027	0.016	0.106	0.016	0	0	0	---	---	0.286	1986
1987	---	---	0.017	0.132	0	0	0	0.363	0.003	0	---	---	0.065	1987
1988	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1988
1989	---	---	1.69	2.29	0.018	0.698	0.249	0.002	0	0	---	---	0.614	1989
1990	---	---	0.463	0.020	0.011	0.003	0.148	0.013	0	0	---	---	0.083	1990
MEAN	---	0.518	1.64	1.97	0.293	0.103	0.288	0.030	0.013	0.008	---	---	0.535	MEAN

LOCATION - LAT 50 04 05 N LONG 106 45 18 W DRAINAGE AREA, 1 360 km² REGULATED

WIWA CREEK NEAR ST. BOSWELLS - STATION NO. 05JC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	22.3 B AT 15:56 CST ON APR 22	22.1 B ON APR 22	0B ON MAR 01 *	19 000	1975
1976	35.1 B AT 00:09 CST ON MAR 21	28.3 B ON MAR 21	0B ON MAR 01	27 800	1976
1977	0 B AT 00:00 CST ON MAR 01	0 B ON MAR 01	0B ON MAR 01	0	1977
1978	13.8 AT 17:00 CST ON MAR 26	11.0 ON MAR 28	0B ON MAR 01	14 400	1978
1979	23.8 B AT 13:45 CST ON MAR 17	22.1 B ON MAR 18	0B ON MAR 01	16 200	1979
1980	10.4 AT 02:33 CST ON MAR 30	9.24 ON MAR 30	0B ON MAR 01	7 710	1980
1981	5.94 AT 19:35 CST ON FEB 19	0.300B ON MAR 01	0B ON MAR 21	196	1981
1982	49.8 AT 01:39 CST ON APR 14 *	42.7 ON APR 14 *	0B ON MAR 01	36 500	1982
1983	31.4 AT 07:23 CST ON MAR 31	30.2 ON APR 01	0 ON JUN 20	31 300	1983
1984	0.181 AT 20:30 CST ON MAR 25	0.146 ON MAR 26	0B ON MAR 01	121	1984
1985	5.72 AT 02:02 CST ON MAR 19	4.46 ON MAR 19	0B ON MAR 01	3 630	1985
1986	18.9 B AT 13:00 CST ON FEB 28	13.0 B ON MAR 01	0 ON APR 22	6 050	1986
1987	2.18 AT 18:06 CST ON AUG 17	1.94 ON AUG 17	0B ON MAR 01	1 370	1987
1988	0.204 AT 17:13 CST ON JUN 08	0.029 ON JUN 08	0B ON MAR 01	3.46	1988
1989	23.9 B AT 14:02 CST ON MAR 29	16.5 B ON MAR 29	0B ON MAR 01	13 000	1989
1990	1.93 B AT 12:12 CST ON MAR 07	1.70 B ON MAR 07	0 ON MAY 06	1 760	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		11 300	MEAN

WOOD AND ANDERSON SOUTH DITCH NEAR COULEE - STATION NO. 11AB066

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	0.005	---	---	---	---	---	---	---	1920
MEAN	---	---	---	---	---	0.005	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 34 24 N
LONG 109 50 57 W REGULATED

WOOD AND ANDERSON SOUTH DITCH NEAR COULEE - STATION NO. 11AB066

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	---	---	1920
				---	MEAN

WOOD AND ANDERSON WEST DITCH NEAR COULEE - STATION NO. 11AB024

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0.004	0.003	0.002	0	0	0	---	---	0.001	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0.007	0	0	0	0	0	---	---	0.001	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1933	---	---	0	0	0	0	0	0	0	0	---	---	0	1933
1934	---	---	0	0	0	0	0	0	0	0	---	---	0	1934
1935	---	---	0	0	0	0	0	0	0	0	---	---	0	1935
1936	---	---	0	0	0	0	0	0	0	0	---	---	0	1936
1938	---	---	0	0	0	0	0	0	0	0	---	---	0	1938
1939	---	---	0	0	0	0	0	0	0	0	---	---	0	1939
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 34 45 N
LONG 109 52 27 W REGULATED SINCE 1914

WOOD AND ANDERSON WEST DITCH NEAR COULEE - STATION NO. 11AB024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---				
1916	---	0.022 ON MAY 29	0 ON MAR 01 *	23.4	1915
1917	---	0 ON MAR 01	0 ON MAR 01	0	1916
1919	---	0 ON MAR 01	0 ON MAR 01	0	1917
1920	---	0.004 ON JUN 12	0 ON MAR 01	0.864	1919
1921	---	0.074 ON MAY 05 *	0 ON MAR 01	19.4	1920
1922	---	0 ON MAR 01	0 ON MAR 01	0	1921
1923	---	0 ON MAR 01	0 ON MAR 01	0	1922
1924	---	0 ON MAR 01	0 ON MAR 01	0	1923
1925	---	0 ON MAR 01	0 ON MAR 01	0	1924
1926	---	0 ON MAR 01	0 ON MAR 01	0	1925
1927	---	0 ON MAR 01	0 ON MAR 01	0	1926
1928	---	0 ON MAR 01	0 ON MAR 01	0	1927
1929	---	0 ON MAR 01	0 ON MAR 01	0	1928
1930	---	0 ON MAR 01	0 ON MAR 01	0	1929
1931	---	0 ON MAR 01	0 ON MAR 01	0	1930
1932	---	0 ON MAR 01	0 ON MAR 01	0	1931
1933	---	0 ON MAR 01	0 ON MAR 01	0	1932
1934	---	0 ON MAR 01	0 ON MAR 01	0	1933
1935	---	0 ON MAR 01	0 ON MAR 01	0	1934
1936	---	0 ON MAR 01	0 ON MAR 01	0	1935
1938	---	0 ON MAR 01	0 ON MAR 01	0	1936
1939	---	0 ON MAR 01	0 ON MAR 01	0	1938
				0	1939
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1.90	MEAN

WOOD RIVER DIVERSION TO CHAPLIN LAKE - STATION NO. 05JC005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	0.651	1.55	0.245	0.168	0.119	0.140	0.122	---	---	0.375	1975
1976	---	---	1.33	0.711	0.105	0.089	0.136	0.051	0.025	0.031	---	---	0.310	1976
1977	---	---	0	0.118	0.163	0.117	0.007	0	0.029	0.025	---	---	0.057	1977
1978	---	---	0.266	2.93	1.49	0.567	0.059	0.154	0.205	0.115	---	---	0.718	1978
1979	---	---	0.218	2.95	2.02	0.203	0.072	0.137	0.328	0.583	---	---	0.809	1979
1980	---	---	0.082	2.89	0.798	0.223	0.246	0.307	0.213	0.224	---	---	0.617	1980
1981	---	---	1.02	0.708	0.268	0.080	0.106	0.229	0.056	0.117	---	---	0.323	1981
1982	---	---	0.015	1.52	1.70	1.33	0.713	0.312	0.307	0.447	---	---	0.789	1982
1983	---	---	1.20	1.91	0.221	0.133	0.210	0.213	0.101	0.081	---	---	0.505	1983
1984	---	---	0.480	0.709	0.288	0.019	0	0.002	0	0.005	---	---	0.187	1984
1985	---	---	0.080	1.00	0.386	0.016	0.004	0.003	0.002	0.004	---	---	0.185	1985
1986	---	0.003	2.31	1.64	0.985	0.134	0.062	0.075	0.085	0.213	---	---	0.689	1986
1987	---	0.112	0.242	1.10	0.495	0.048	0.019	0.107	0.064	0.011	---	---	0.259	1987
1988	---	---	0.243	0.165	0.047	0.008	0	0.012	0	0	---	---	0.059	1988
1989	---	---	0	0.895	1.02	0.357	0.185	0.167	0.210	0.109	---	---	0.366	1989
1990	---	0	0.627	0.443	0.487	0.039	0.778	0.656	0.032	0.031	---	---	0.389	1990
MEAN	---	0.038	0.507	1.27	0.751	0.226	0.173	0.159	0.112	0.132	---	---	0.415	MEAN

LOCATION - LAT 50 09 46 N
LONG 106 21 31 W REGULATED

WOOD RIVER DIVERSION TO CHAPLIN LAKE - STATION NO. 05JC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---				
1976	13.4 B AT 16:30 CST ON MAR 30 *	2.78 ON APR 30	0 B ON MAR 01 *	7 930	1975
1977	0.399 AT 23:28 CST ON JUN 08	12.0 B ON MAR 30 *	0 B ON MAR 01	6 560	1976
1978	---	0.300B ON APR 12	0 B ON MAR 01	1 210	1977
1979	---	4.59 B ON APR 02	0 B ON MAR 01	15 200	1978
		5.60 B ON APR 20	0 B ON MAR 01	17 100	1979
1980	---	6.00 B ON APR 06	0 B ON MAR 01	13 100	1980
1981	---	1.46 ON MAR 16	0.008 ON JUL 12	6 840	1981
1982	3.83 B AT 11:03 CST ON APR 17	3.58 B ON APR 17	0.014B ON MAR 01	16 700	1982
1983	5.45 AT 10:18 CST ON APR 07	5.38 ON APR 07	0.016E ON OCT 29	10 700	1983
1984	1.34 AT 09:39 CST ON MAR 26	1.31 ON MAR 26	0 E ON JUL 01	3 960	1984
1985	1.94 AT 16:54 CST ON APR 16	1.86 ON APR 16	0.001 ON AUG 09	3 920	1985
1986	5.57 B AT 16:32 CST ON MAR 06	5.40 B ON MAR 06	0.021 ON JUN 29	14 600	1986
1987	1.62 AT 02:57 CST ON APR 26	1.60 ON APR 26	0.004 ON OCT 17	5 490	1987
1988	0 B AT 00:00 CST ON MAR 01	0.429B ON MAR 22	0 ON JUL 08	1 260	1988
1989	1.82 AT 14:56 CST ON APR 22	1.78 ON APR 27	0 B ON MAR 01	7 750	1989
1990	3.06 AT 02:24 CST ON APR 26	2.87 ON APR 26	0.030E ON OCT 20	8 240	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 790	MEAN

WOOD RIVER NEAR GRAVELBOURG - STATION NO. 05JA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	---	---	---	0.020	0	---	1917
1918	0	0	7.32	3.79	0.566	0.140	0.001	0	0	0	0	0	1.48	1918
1919	0	0	0.020	5.73	0.337	0.024	0.024	0	0	0	0	0	0.753	1919
1920	0	0	4.45	3.85	0.481	0.098	0.025	0	0	0	0	0	1.11	1920
1921	0	0	2.94	1.70	0.547	0.355	0.224	0.084	0.031	0.206	0.007	0.001	0.761	1921
1922	0	0	4.98	14.0	2.68	0.304	0.208	0.036	0.002	0	0.003	0	2.75	1922
1923	0	0	1.65	7.63	0.594	8.15	10.1	0.970	0.087	0.063	0.057	---	3.63	1923
1924	---	---	0.056	2.86	0.925	1.11	0.693	0.108	0	0.151	---	---	0.730	1924
1925	---	---	29.3	18.4	1.41	1.15	0.343	0.026	0.001	---	---	---	---	1925
1936	---	---	2.82	5.62	0.529	0.040	---	---	---	---	---	---	---	1936
1940	---	---	0.048	11.4	---	---	---	---	---	---	---	---	---	1940
MEAN	0	0	5.36	7.50	0.897	1.26	1.45	0.153	0.015	0.060	0.012	0	1.60	MEAN

LOCATION - LAT 49 49 35 N DRAINAGE AREA, 5 610 km²
LONG 106 32 40 W NATURAL FLOW

REMARKS - RECORDS FROM JUL 16 1920 TO NOV 1922 COLLECTED APPROX. 10 KM DOWNSTREAM IN SE06-11-04-W3

WOOD RIVER NEAR GRAVELBOURG - STATION NO. 05JA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	32.0 ON MAR 25	0 B ON MAR 01 *	31 300	1918
1919	---	17.6 ON APR 08	0 B ON MAR 01	15 900	1919
1920	---	20.0B ON MAR 26	0 B ON MAR 01	23 500	1920
1921	---	13.6B ON MAR 26	0.001 ON SEP 07	16 100	1921
1922	---	36.5B ON APR 06	0 B ON MAR 01	58 300	1922
1923	---	31.1 ON JUN 24	0 B ON MAR 01	76 900	1923
1924	---	16.7 ON APR 12	0 E ON AUG 29	15 500	1924
1925	---	257 ON MAR 30 *	0 ON AUG 25	---	1925
1936	---	30.3 ON APR 17	0 B ON MAR 01	---	1936
1940	---	53.2 ON APR 16	0 B ON MAR 01	---	1940
				33 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOOD RIVER NEAR LAFLECHE - STATION NO. 05JA002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	3.56	0.374	0.132	---	---	---	---	---	---	---	1944
1945														1945
1946														1946
1947														1947
1948														1948
1949														1949
1950														1950
1951														1951
1952														1952
1953														1953
1954														1954
1955														1955
1956														1956
1957														1957
1958														1958
1959														1959
1960														1960
1961														1961
1962														1962
1963														1963
1964														1964
1965														1965
1966														1966
1967														1967
1968														1968
1969														1969
1970														1970
1971														1971
1972														1972
1973														1973
1974														1974
1975														1975
1976														1976
1977														1977
1978														1978
1979														1979
1980														1980
1981														1981
1982														1982
1983														1983
1984														1984
1985														1985
1986														1986
1987														1987
1988														1988
1989														1989
1990	---	---	0.204	0.299	0.061	0.004	0.579	0.243	0.001	0	---	---	0.175	1990
MEAN	---	0.721	6.06	10.5	1.34	1.18	0.435	0.116	0.027	0.005	---	---	2.06	MEAN

LOCATION - LAT 49 40 01 N LONG 106 41 33 W

DRAINAGE AREA, 4 730 km²

REGULATED

WOOD RIVER NEAR LAFLECHE - STATION NO. 05JA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	20.3 B ON APR 07	0B ON MAR 01 *	---	1944
1945	74.5 B AT 18:00 MST ON MAR 15	69.9 B ON MAR 16	0B ON MAR 01	---	1945
1946	---	8.61 B ON MAR 19	0B ON MAR 01	---	1946
1947	---	75.3 ON MAR 29	0B ON MAR 01	---	1947
1948	---	29.4 ON APR 18	0B ON MAR 01	---	1948
1949	17.2 B AT 11:15 MST ON MAR 30	15.5 B ON MAR 30	0B ON MAR 01	---	1949
1950	---	102 ON APR 16	0B ON MAR 01	---	1950
1951	---	105 B ON APR 06	0B ON MAR 01	---	1951
1952	300 AT 10:00 MST ON APR 09 *	292 ON APR 09 *	0 ON MAR 01	---	1952
1953	125 AT 16:35 MST ON JUN 05	121 ON JUN 05	---	---	1953
1954	---	93.7 B ON APR 09	---	---	1954
1955	118 B AT 17:00 MST ON APR 01	115 B ON APR 01	0B ON MAR 01	---	1955
1956	53.2 B AT 17:30 MST ON MAR 24	51.5 B ON MAR 24	0B ON MAR 01	---	1956
1957	4.42 B AT 18:00 MST ON MAR 26	4.19 B ON MAR 27	0B ON MAR 01	5 630	1957
1958	51.0 AT 20:53 MST ON APR 03	43.6 ON APR 03	0B ON MAR 01	25 900	1958
1959	13.4 AT 22:16 MST ON MAR 31	10.8 ON MAR 31	0B ON MAR 01	18 500	1959
1960	77.0 B AT 01:21 MST ON MAR 23	72.8 B ON MAR 23	0B ON MAR 01	43 400	1960
1961	7.48 B AT 14:27 CST ON MAR 18	6.12 B ON MAR 18	0B ON MAR 01	5 070	1961
1962	97.7 AT 00:11 CST ON JUN 14	77.6 ON JUN 14	0B ON MAR 01	52 100	1962
1963	---	53.0 B ON MAR 23	0 ON OCT 04	27 100	1963
1964	8.75 B AT 13:10 CST ON APR 04	7.31 B ON APR 04	0B ON MAR 01	3 310	1964
1965	63.1 B AT 14:14 CST ON APR 11	60.6 ON APR 12	0B ON MAR 01	57 100	1965
1966	40.8 B AT 23:28 CST ON MAR 17	39.6 B ON MAR 17	0B ON MAR 01	36 100	1966
1967	---	65.1 ON APR 11	0B ON MAR 01	104 000	1967
1968	---	17.5 B ON MAR 01	0E ON JUL 11	21 000	1968
1969	138 AT 23:00 CST ON APR 07	137 ON APR 07	0B ON MAR 01	100 000	1969
1970	89.8 AT 01:00 CST ON JUN 16	83.3 ON JUN 16	0 ON SEP 22	109 000	1970
1971	33.4 AT 01:05 CST ON APR 09	33.1 ON APR 09	0 ON AUG 21	36 500	1971
1972	36.2 B AT 12:29 CST ON MAR 17	30.0 B ON MAR 17	0B ON MAR 01	19 900	1972
1973	2.72 B AT 17:46 CST ON MAR 11	2.61 B ON MAR 11	0 ON SEP 13	7 210	1973
1974	102 B AT 23:12 CST ON APR 02	99.4 B ON APR 03	0 ON OCT 10	112 000	1974
1975	99.7 AT 06:31 CST ON APR 23	96.6 ON APR 23	0B ON MAR 01	75 800	1975
1976	---	195 B ON MAR 23	0 ON AUG 14	132 000	1976
1977	2.76 AT 09:09 CST ON MAY 28	2.55 ON MAY 28	0 ON SEP 07	4 820	1977
1978	100 AT 04:19 CST ON MAR 26	97.4 ON MAR 26	0B ON MAR 01	117 000	1978
1979	64.5 B AT 22:50 CST ON MAR 20	63.7 B ON MAR 21	0B ON MAR 01	87 400	1979
1980	32.2 AT 00:58 CST ON APR 02	28.8 ON APR 02	0B ON MAR 01	28 600	1980
1981	10.4 B AT 14:10 CST ON FEB 20	2.03 B ON MAR 01	0 ON MAY 25	3 430	1981
1982	51.9 B AT 21:00 CST ON MAR 30	48.6 B ON MAR 30	0 ON SEP 21	110 000	1982
1983	13.0 B AT 11:55 CST ON APR 02	12.3 B ON APR 02	0 ON AUG 25	14 800	1983
1984	18.3 AT 01:57 CST ON JUN 23	15.7 ON JUN 23	0 ON JUL 26	8 890	1984
1985	15.8 B AT 09:22 CST ON MAR 17	15.0 B ON MAR 17	0B ON MAR 01	16 800	1985
1986	119 B AT 20:20 CST ON MAR 01	101 B ON MAR 02	0 ON JUL 12	62 300	1986
1987	4.81 B AT 07:18 CST ON APR 09	4.65 B ON APR 09	0 ON JUN 07	8 360	1987
1988	0.102 AT 11:07 CST ON MAY 27	0.099 ON MAY 27	0B ON MAR 01	191	1988
1989	28.8 B AT 03:08 CST ON MAR 14	23.2 B ON MAR 13	0B ON MAR 01	26 000	1989
1990	2.21 AT 09:41 CST ON JUL 11	2.13 ON JUL 11	0 ON JUN 13	3 700	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		43 600	MEAN

WOODPILE COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AB105

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0.555	2.27	1.02	0.023	0.286	0	0	0	---	---	0.516	1927
1928	---	---	0.091	1.07	0.004	0	0	0	0	0	---	---	0.143	1928
1929	---	---	0	0.008	0.020	0.042	0	0	0	0	---	---	0.009	1929
1930	---	---	1.28	0.352	C	0	0.025	0	0	0	---	---	0.208	1930
1931	0	0	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0.072	0.002	0	0.020	0	0	0	0	---	---	0.012	1932
1933	---	---	0	0	0	0.031	0.006	0.006	0	0	---	---	0.005	1933
1934	---	---	0.292	0.033	0	0	0	0	0	0	---	---	0.041	1934
1935	---	---	0.692	0.486	0	0	0.331	0	0	0	---	---	0.189	1935
1936	0	0	0	1.47	0	0	0	0	0	0	---	---	0.180	1936
1937	---	---	0.110	0.626	0	0	0.001	0	0	0	---	---	0.091	1937
1938	---	---	0.674	0.295	0.100	0.060	0.001	0	0	0	---	---	0.142	1938
1939	---	---	1.97	0	0	0.001	0	0	0	0	---	---	0.249	1939
1940	---	---	0	2.39	0.022	0	0	0	0	0	---	---	0.296	1940
1941	---	---	2.23	0.002	0	0.003	0.034	0	0	0	---	---	0.287	1941
1942	---	---	0.407	0.100	0	0.249	0.004	0	0	0	---	---	0.095	1942
1943	---	---	3.30	0.560	0	0.002	0.001	0	0	0	---	---	0.486	1943
1944	---	---	0.031	0	0	0	0.143	1.01	0	0	---	---	0.150	1944
1945	---	---	0.793	0	0	0	0	0	0	0	---	---	0.100	1945
1946	---	---	0.625	0	0	0.017	0	0	0	0	---	---	0.081	1946
1947	---	---	1.03	0.180	0	0	0	0	0	0	---	---	0.152	1947
1948	0	0	0	0	0	0	0	0	0	0	0	0	0	1948
1949	0	0	0	0	0	0	0	0	0	0	---	---	0	1949
1950	---	---	0	1.50	0	0	0	0	0	0	---	---	0.183	1950
1951	---	---	0	0.570	0.038	0.001	0.003	0	0.001	0	---	---	0.075	1951
1952	---	---	0	4.66	0.006	0	0	0	0	0	---	---	0.572	1952
1953	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1953
1954	---	---	0	0.358	0.003	0.002	0	0.001	0.007	0.011	---	---	0.047	1954
1955	---	---	0.256	2.28	0.081	0.003	0.783	0.004	0.003	0.003	---	---	0.423	1955
1956	---	---	0.033	0.042	0.040	0.005	0.002	0	0	0	---	---	0.015	1956
1957	---	---	0.021	0.575	0.003	0.004	0.001	0	0	0	---	---	0.074	1957
1958	---	---	0.990	0.474	0	0	0	0	0	0	---	---	0.183	1958
1959	---	---	0.824	0.043	0	0.002	0	0	0	0	---	---	0.110	1959
1960	---	---	1.07	0.002	0.118	0	0	0	0	0	---	---	0.151	1960
1961	---	---	0.196	0	0	0	0	0	0	0	---	---	0.025	1961
1962	---	---	0.329	0.007	0	0.001	0.001	0	0	0	---	---	0.043	1962
1963	---	---	0.004	0	0	0	0	0	0	0	---	---	0.001	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.811	0.003	0.637	0.023	0	0.001	0.002	---	---	0.181	1965
1966	---	---	0.442	0.029	0.003	0.002	0.001	0	0	0	---	---	0.060	1966
1967	---	---	0.276	1.07	0.483	0.002	0	0	0	0	---	---	0.227	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	1.54	0	0	0	0	0	0	---	---	0.189	1969
1970	---	---	0	0	0	0	0	0	0	0	---	---	0	1970
1971	---	---	0	0.038	0	0	0	0	0	0	---	---	0.005	1971
1972	---	---	0.432	0.001	0	0	0	0	0	0	---	---	0.055	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.382	0.377	0.580	0.001	0	0	0	0	---	---	0.168	1974
1975	---	---	0	0.618	0.275	0.490	0.104	0.198	0.002	0	---	---	0.209	1975
1976	---	---	1.05	0.006	0	0	0	0	0	0	---	---	0.133	1976
MEAN	0	0	0.409	0.497	0.056	0.032	0.035	0.024	0	0	0	0	0.131	MEAN

LOCATION - LAT 48 59 00 N LONG 109 31 50 W DRAINAGE AREA, 172 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

WOODPILE COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AB105

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	12.0 AT 07:00 MST ON APR 04	11.2 ON MAY 23	0 ON MAR 01 *	10 900	1927
1928	9.97 AT 01:00 MST ON APR 02	5.92 ON APR 02	0B ON MAR 01	3 020	1928
1929	1.01 AT 18:00 MST ON JUN 02	0.629 ON JUN 03	0 ON MAR 01	182	1929
1930	7.93 AT 03:30 MST ON APR 02	4.59 ON APR 02	0B ON MAR 02	4 400	1930
1931	---	0.001 ON MAR 21	0 ON MAR 01	0.864	1931
1932	1.29 B AT 23:30 MST ON MAR 23	0.580B ON MAR 24	0 ON MAR 01	250	1932
1933	1.73 AT 21:00 MST ON JUN 29	0.555 ON JUN 30	0 ON MAR 01	113	1933
1934	---	0.566E ON MAR 11	0 ON APR 13	870	1934
1935	16.7 AT 23:00 MST ON APR 12	6.26 B ON MAR 20	0B ON MAR 01	4 000	1935
1936	34.5 AT 01:00 MST ON APR 13	18.0 ON APR 12	0 ON MAR 01	3 810	1936
1937	13.9 AT 01:00 MST ON APR 09	5.89 ON APR 08	0 ON MAR 01	1 920	1937
1938	15.6 AT 03:00 MST ON MAR 27	7.59 ON MAR 27	0 ON MAR 01	3 000	1938
1939	60.9 AT 22:00 MST ON MAR 22	25.6 ON MAR 22	0 ON MAR 01	5 270	1939
1940	43.3 AT 2.:00 MST ON APR 18	23.7 ON APR 21	0 ON MAR 01	6 260	1940
1941	50.1 B AT 02:00 MST ON MAR 22	22.4 B ON MAR 22	0 ON MAR 01	6 080	1941
1942	5.78 AT 05:30 MST ON MAR 31	3.82 ON MAR 31	0 ON MAR 01	2 000	1942
1943	87.5 ON MAR 30 *	56.6 ON MAR 30 *	0 ON MAR 01	10 300	1943
1944	83.8 AT 07:00 MST ON AUG 25	27.9 ON AUG 25	0 ON MAR 01	3 180	1944
1945	8.30 A AT 21:00 MST ON MAR 19	6.00 A ON MAR 19	0 ON MAR 01	2 120	1945
1946	3.83 AT 11:20 MST ON MAR 11	5.27 ON MAR 11	0 ON MAR 01	1 720	1946
1947	15.5 B AT 23:20 MST ON MAR 29	11.1 B ON MAR 29	0 ON MAR 01	3 230	1947
1948	0 AT 00:00 MST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1948
1949	0 AT 00:00 MST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1949
1950	32.8 AT 04:00 MST ON APR 13	15.2 ON APR 13	0 ON MAR 01	3 880	1950
1951	10.4 AT 22:00 MST ON APR 05	3.82 ON APR 05	0 ON MAR 01	1 590	1951
1952	83.8 AT 03:00 MST ON APR 07	44.7 ON APR 07	0 ON MAR 01	12 100	1952
1953	0.023 AT 06:30 MST ON MAY 30	0.014 ON MAY 30	0B ON MAR 01	2.76	1953
1954	22.3 ON APR 06	7.08 ON APR 06	0 ON MAR 01	991	1954
1955	23.8 E ON APR 19	17.0 E ON APR 19	0B ON MAR 01	8 950	1955
1956	0.691 AT 11:00 MST ON MAY 11	0.476 ON MAY 11	0B ON MAR 01	321	1956
1957	7.39 AT 05:00 MST ON APR 04	4.59 ON APR 04	0 ON MAR 01	1 570	1957
1958	19.7 B AT 03:00 MST ON MAR 31	11.0 B ON MAR 31	0B ON MAR 01	3 880	1958
1959	---	8.27 B ON MAR 27	0B ON MAR 01	2 320	1959
1960	12.7 AT 22:45 MST ON MAR 23	7.99 ON MAR 23	0 ON MAR 01	3 190	1960
1961	3.20	2.83 E ON MAR 14	0 ON MAR 01	526	1961
1962	4.50 E ON MAR 27	3.40 E ON MAR 27	0 ON MAR 01	904	1962
1963	---	0.040 ON MAR 01	0E ON MAR 13	11.1	1963
1964	0 AT 00:00 MST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1964
1965	9.97 E ON JUN 27	5.89 ON APR 19	0 ON MAR 01	3 830	1965
1966	4.64 AT 14:30 MST ON MAR 18	1.53 ON MAR 20	0 ON MAR 01	1 270	1966
1967	10.1 AT 06:00 MST ON APR 28	7.36 ON APR 28	0 ON MAR 01	4 810	1967
1968	---	0 ON MAR 01	0 ON MAR 01	0	1968
1969	26.2 AT 03:00 MST ON APR 06	14.7 ON APR 06	0 ON MAR 01	4 000	1969
1970	---	0 ON MAR 01	0 ON MAR 01	0	1970
1971	0.481 AT 05:30 CST ON APR 08	0.278 ON APR 08	0 ON MAR 01	99.6	1971
1972	9.20 AT 03:15 MST ON MAR 17	6.23 ON MAR 17	0 ON MAR 01	1 160	1972
1973	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1973
1974	14.7 AT 14:00 CST ON MAY 21	9.09 ON MAY 21	0B ON MAR 01	3 550	1974
1975	18.3 AT 06:30 CST ON JUN 20	10.6 ON JUN 20	0 ON MAR 01	4 420	1975
1976	32.8 AT 03:00 CST ON MAR 19	13.8 ON MAR 19	0B ON MAR 01	2 820	1976
				2 780	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WYLIE DITCH NEAR OXARAT - STATION NO. 11AC019

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1919	---	---	0	0.042	0.026	0.022	0.009	0.013	0.002	0	---	---	0.014	1919
1920	---	---	0	0	0	0.051	0.031	0.019	0	0	---	---	0.013	1920
1922	---	---	0	0	0.089	0.047	0.015	0	0	0	---	---	0.019	1922
1923	---	---	0	0	0.022	0.028	0	0	0	0	---	---	0.006	1923
1924	---	---	0	0	0.039	0.031	0.011	0	0	0	---	---	0.010	1924
1925	---	---	0	0	0.028	0.044	0	0	0	0	---	---	0.009	1925
1926	---	---	0	0.050	0.066	0.057	0.039	0	0	0	---	---	0.026	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0.117	0.039	0	0	0	0	---	---	0.020	1928
1930	---	---	0	0	0.103	0.119	0	0	0	0	---	---	0.028	1930
MEAN	---	---	0	0.008	0.045	0.040	0.010	0.003	0	0	---	---	0.013	MEAN

LOCATION - LAT 49 29 10 N
LONG 109 35 40 W
REGULATED

WYLIE DITCH NEAR OXARAT - STATION NO. 11AC019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---		---	1916
1917	---	0 ON MAR 01	0 ON JUN 27 *	---	
			0 ON MAR 01	0	1917
1919	---	0.142E ON APR 03	0 ON MAR 01	301	1919
1920	---	0.059 ON JUN 02	0 ON MAR 01	267	1920
1922	---	0.326 ON MAY 17	0 ON MAR 01	398	1922
1923	---	0.068 ON MAY 15	0 ON MAR 01	131	1923
1924	---	0.382 ON MAY 12	0 ON MAR 01	213	1924
1925	---	0.215 ON MAY 16	0 ON MAR 01	188	1925
1926	---	0.504 ON APR 22	0 ON MAR 01	556	1926
1927	---	0 ON MAR 01	0 ON MAR 01	0	1927
1928	---	0.589 ON MAY 12 *	0 ON MAR 01	414	1928
1930	---	0.391 ON MAY 18	0 ON MAR 01	586	1930
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		278	MEAN

WYNYARD CREEK NEAR THE MOUTH - STATION NO. 05MA015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.640	0.577	0.367	0	0	0	0	0	---	---	0.198	1966
1968	---	---	0.273	0.025	0.001	0	0	0	0	0	---	---	0.038	1968
1969	---	---	0	0.450	0	0	0	0	0	0	---	---	0.055	1969
1970	---	---	0.051	0.379	0.090	0	0.023	0	0	0	---	---	0.067	1970
1971	---	---	0	0.564	0.002	0	0	0	0	0	---	---	0.069	1971
1972	---	---	0.287	0.330	0.008	0	0	0	0	0	---	---	0.078	1972
1973	---	---	0.015	0.005	0.007	0.050	0.099	0	0	0	---	---	0.022	1973
1974	---	---	---	---	0.356	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	0.238	0.008	---	---	---	---	---	---	---	1975
1976	---	---	---	0.591	---	---	---	---	---	---	---	---	---	1976
MEAN	---	---	0.181	0.365	0.119	0.007	0.017	0	0	0	---	---	0.075	MEAN

LOCATION - LAT 51 47 45 N LONG 104 13 22 W DRAINAGE AREA, 62.2 km^2 REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN RESEARCH COUNCIL

WYNYARD CREEK NEAR THE MOUTH - STATION NO. 05MA015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	5.07 ON APR 01	0E ON MAR 01 *	4 190	1966
1968	---	1.27 ON MAR 08	0E ON MAR 01	800	1968
1969	---	3.85 ON APR 10	0 ON MAR 01	1 170	1969
1970	---	1.78 ON APR 10	0 ON MAR 01	1 420	1970
1971	---	3.96 ON APR 10	0E ON MAR 01	1 470	1971
1972	---	1.33 ON APR 13	0E ON MAR 01	1 640	1972
1973	---	0.697 ON JUL 03	0E ON MAR 01	468	1973
1974	---	3.88 ON APR 19	---	---	1974
1975	---	7.70 ON APR 28 *	0 ON JUN 25	---	1975
1976	---	---	---	---	1976
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 590	MEAN

WYNYARD CREEK NEAR WYNYARD - STATION NO. 05MA017

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.008	0.249	0.073	0.008	0.020	0	0	0	---	---	0.044	1970
1971	---	---	0	0.346	0.001	0	0	0	0	0	---	---	0.042	1971
1972	---	---	0.077	0.223	0.001	0	0	0	0	0	---	---	0.037	1972
1973	---	---	0.020	0.006	0.001	0.027	0.052	0	0	0	---	---	0.013	1973
1974	---	---	---	---	0.362	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	0.241	0.019	---	---	---	---	---	---	---	1975
MEAN	---	---	0.026	0.206	0.113	0.011	0.018	0	0	0	---	---	0.034	MEAN

LOCATION - LAT 51 43 17 N LONG 104 11 23 W DRAINAGE AREA, 26.4 km^2 REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN RESEARCH COUNCIL

WYNYARD CREEK NEAR WYNYARD - STATION NO. 05MA017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	1.19 B ON APR 07	0B ON MAR 01 *	937	1970
1971	---	2.30 ON APR 10	0E ON MAR 01	899	1971
1972	---	0.872 ON APR 13	0E ON MAR 01	785	1972
1973	---	0.589 ON JUL 02	0E ON MAR 01	280	1973
1974	---	2.92 ON APR 19	0 ON JUN 29	---	1974
1975	---	5.78 ON APR 28 *	0 ON JUL 11	---	1975
				725	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

YELLOW GRASS DITCH NEAR YELLOW GRASS - STATION NO. 05NB011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0.033	0.118	0.021	0	0	0	0	0	---	---	0.021	1957
1958	---	---	0.085	0.730	0.019	0	0	0	0	0	---	---	0.102	1958
1959	---	---	0	0	0	0.010	0.015	0	0	0	---	---	0.003	1959
1960	---	---	0.001	5.26	0.302	0.002	0.002	0	0	0	---	---	0.683	1960
1961	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.652	0.004	0.003	0	0	0	0	---	---	0.081	1962
1963	---	---	0	0	0	0.091	0.068	0.018	0.003	0	---	---	0.023	1963
1964	---	---	0	0.388	0.030	0	0	0	0	0	---	---	0.051	1964
1965	---	---	0	0.482	1.11	1.21	0.022	0	0.002	0	---	---	0.351	1965
1966	---	---	1.04	0.413	0.019	0	0	0	0	0	---	---	0.184	1966
1967	---	---	0	2.02	0.404	0	0	0	0	0	---	---	0.299	1967
1968	---	---	0.136	0.027	0.003	0	0	0	0	0	---	---	0.021	1968
1969	---	---	0	11.4	3.42	0.061	0.020	0	0	0	---	---	1.84	1969
1970	---	---	0	2.46	4.34	0.719	0.331	0.150	0.002	0	---	---	1.00	1970
1971	---	---	0	7.76	1.31	0.144	0.532	0.002	0	0	---	---	1.20	1971
1972	---	---	0.697	1.97	0.049	0.009	0	0	0	0	---	---	0.337	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	12.0	10.6	0.267	0.042	0.069	0.030	0	---	---	2.86	1974
1975	---	---	0	11.3	23.4	0.675	0.047	0.022	0.003	0	---	---	4.44	1975
1976	---	---	0.015	32.8	4.79	7.20	1.74	0.597	0.097	0.001	---	---	5.82	1976
1977	---	---	0	0.155	0	0	0	0	0	0	---	---	0.019	1977
1978	---	---	0.128	1.13	0.039	0.075	0.637	0	0.054	0.007	---	---	0.257	1978
1979	---	---	0	8.52	10.0	0.432	0.382	0	0	0	---	---	2.41	1979
1980	---	---	0.001	0.990	0.003	0	0	0	0	0	---	---	0.122	1980
1981	---	---	0.020	0.004	0	0.005	0	0	0	0	---	---	0.004	1981
1982	---	---	0	11.2	5.57	0.180	0.178	0.138	0	0.002	---	---	2.14	1982
1983	---	---	0	7.14	3.05	1.38	0.640	0.151	0	0	---	---	1.53	1983
1984	---	---	0.169	0.107	0	0.030	0.006	1.04	0.005	0.011	---	---	0.172	1984
1985	---	---	2.46	1.47	0.005	0	0	0	0	0	---	---	0.492	1985
1986	---	0.001	1.45	0.048	1.86	0.004	0.005	0	0	0	---	---	0.426	1986
1987	---	---	0.070	0.244	0	0	0	0	0	0	---	---	0.039	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.258	0.001	0	0	0	0	0	---	---	0.032	1989
1990	---	---	0.221	0.568	0	0	0.029	0.023	0.004	0	---	---	0.105	1990
MEAN	---	0.001	0.192	3.58	2.07	0.368	0.138	0.065	0.006	0.001	---	---	0.796	MEAN

LOCATION - LAT 49 47 11 N LONG 104 02 16 W
DRAINAGE AREA, 1 900 km^2
REGULATED

YELLOW GRASS DITCH NEAR YELLOW GRASS - STATION NO. 05NB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	0.425B ON MAR 30	0B ON MAR 01 *	450	1957
1958	---	1.42 B ON APR 01	0B ON MAR 01	2 170	1958
1959	---	0.085 ON JUN 27	0B ON MAR 01	68.3	1959
1960	---	9.32 ON APR 13	0B ON MAR 01	14 500	1960
1961	---	0.006 ON MAR 22	0 ON MAR 01	2.07	1961
1962	---	2.83 ON APR 12	0B ON MAR 01	1 710	1962
1963	---	1.04 ON JUN 07	0 ON MAR 01	476	1963
1964	---	0.801B ON APR 05	0B ON MAR 01	1 090	1964
1965	---	5.15 ON MAY 28	0B ON MAR 01	7 430	1965
1966	---	3.68 ON MAR 30	0B ON MAR 01	3 900	1966
1967	---	6.51 ON APR 15	0B ON MAR 01	6 120	1967
1968	---	1.04 ON MAR 23	0B ON MAR 01	443	1968
1969	---	21.3 ON APR 16	0B ON MAR 01	18 900	1969
1970	---	8.61 ON MAY 03	0B ON MAR 01	21 200	1970
1971	---	12.0 ON APR 13	0B ON MAR 01	25 400	1971
1972	5.47 AT 20:00 CST ON APR 05	5.30 ON APR 06	0B ON MAR 01	7 130	1972
1973	---	0.006 ON JUN 04	0 ON MAR 01	0.518	1973
1974	28.9 AT 20:30 CST ON APR 25	28.9 ON APR 25	0B ON MAR 01	60 500	1974
1975	43.9 AT 21:02 CST ON MAY 03	43.3 ON MAY 03	0B ON MAR 01	93 900	1975
1976	52.4 AT 08:16 CST ON APR 14 *	51.5 ON APR 14 *	0B ON MAR 01	123 000	1976
1977	1.08 AT 05:14 CST ON APR 09	0.844 ON APR 10	0B ON MAR 01	403	1977
1978	4.05 AT 22:39 CST ON JUL 09	3.85 ON JUL 09	0B ON MAR 01	5 440	1978
1979	28.6 AT 10:29 CST ON APR 29	28.3 ON APR 26	0B ON MAR 01	51 000	1979
1980	4.33 A AT 13:57 CST ON APR 03	4.17 A ON APR 03	0B ON MAR 01	2 580	1980
1981	0.116 AT 06:11 CST ON MAR 19	0.088 ON MAR 19	0 ON MAR 01	76.3	1981
1982	29.9 AT 18:30 CST ON APR 24	29.7 ON APR 24	0B ON MAR 01	45 100	1982
1983	17.7 AT 15:03 CST ON APR 26	17.5 ON APR 27	0B ON MAR 01	32 400	1983
1984	4.53 AT 10:50 CST ON AUG 05	4.46 ON AUG 05	0 ON MAR 01	3 640	1984
1985	8.80 B AT 02:25 CST ON MAR 22	8.22 B ON MAR 22	0B ON MAR 01	10 400	1985
1986	8.04 AT 02:46 CST ON MAY 11	7.77 ON MAY 11	0 ON MAY 02	9 020	1986
1987	1.57 B AT 21:46 CST ON MAR 31	1.40 B ON APR 01	0B ON MAR 01	821	1987
1988	0 AT 00:00 CST ON MAR 01	0 ON MAR 01	0 ON MAR 01	0	1988
1989	1.76 B AT 02:00 CST ON APR 14	1.52 B ON APR 14	0B ON MAR 01	671	1989
1990	4.01 AT 04:35 CST ON APR 01	3.89 ON APR 01	0B ON MAR 01	2 210	1990
				16 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

YORKTON CREEK NEAR EBENEZER - STATION NO. 05MB001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0	0.934	0.029	0	0	0	0	0	---	---	0.118	1941
1942	---	---	---	3.09	0.266	0.027	0.004	0.249	0	0	---	---	---	1942
1943	---	---	0	3.01	0.336	0.178	0.052	0.022	0	0	---	---	0.442	1943
1944	---	---	0	0.706	0.018	0.031	0.001	0.006	0.009	---	---	---	---	1944
1945	---	---	0.682	0.470	0.026	0.009	0.094	0	---	---	---	---	---	1945
1946	---	---	---	0.212	0.013	0	0.010	---	---	---	---	---	---	1946
1947	---	---	---	---	1.14	0.160	0.085	0	0.002	0.005	---	---	---	1947
1948	---	---	---	---	0.254	0.094	0.209	0.024	0	---	---	---	---	1948
1949	---	---	---	2.27	0.031	0.902	0.068	0.008	0	0	---	---	---	1949
1950	---	---	---	---	0.126	0.012	0.033	0.007	0	0	---	---	---	1950
1951	---	---	---	---	0.551	0.042	0.043	0.028	0.028	0.039	---	---	---	1951
1952	---	---	---	1.31	0.013	0.015	0	0	0	0	---	---	---	1952
1953	---	---	---	3.02	0.143	1.31	2.99	0.756	0.386	0.321	---	---	---	1953
1954	---	---	---	2.18	2.10	6.98	6.13	2.68	2.51	2.73	2.11	---	---	1954
1955	---	---	---	12.6	16.1	7.14	3.64	1.20	0.156	0.177	---	---	---	1955
1956	---	---	---	10.1	20.1	7.02	2.21	0.882	0.891	0.287	---	---	---	1956
1957	---	---	0	6.57	2.68	0.410	0.195	0.138	0.110	0.005	---	---	1.25	1957
1958	---	---	0.578	0.129	0.009	0.001	0	0	0	0	---	---	0.257	1958
1959	---	---	0.766	0.323	0.016	0.022	0.038	0	0.017	0.049	---	---	0.154	1959
1960	---	---	0	8.18	0.144	0.078	0.009	0	0	0	---	---	1.03	1960
1961	---	---	0.001	0.030	0.005	0	0	0	0	0	---	---	0.004	1961
1962	---	---	0	1.58	0.155	0.087	0	0	0	0.005	---	---	0.227	1962
1963	---	---	0.190	0.141	0.053	0.041	0.048	0.023	0.032	0.016	---	---	0.068	1963
1964	---	---	0	1.01	0.063	0	0	0.025	0.005	0.003	---	---	0.136	1964
1965	---	---	0	3.14	0.255	0.112	0.058	0.056	0.063	0.050	---	---	0.459	1965
1966	---	---	0	5.09	0.541	0.088	0.069	0.033	0.024	0.034	---	---	0.723	1966
1967	---	---	0	0.789	0.620	0.027	0.009	0.004	0.002	0.031	---	---	0.184	1967
1968	---	---	0.150	0.598	0.088	0.053	0.067	0.041	0.047	0.034	---	---	0.136	1968
1969	---	---	0	2.89	0.126	0.031	0.072	0.070	0.051	0.072	---	---	0.407	1969
1970	---	---	0	2.15	0.642	0.048	0.235	0.017	0.027	0.065	---	---	0.394	1970
1971	---	---	0.003	3.65	0.387	0.383	0.245	0.017	0.002	0.031	---	---	0.539	1971
1972	---	---	0.168	6.66	0.329	0.074	0.039	0.017	0.015	0.023	---	---	0.899	1972
1973	---	---	0.198	0.094	0.028	0.235	0.158	0.445	0.170	0.066	---	---	0.174	1973
1974	---	---	0.042	8.31	3.00	0.492	0.391	0.364	0.272	0.168	---	---	1.61	1974
1975	---	---	0	5.85	5.36	2.99	1.42	0.699	0.526	0.408	---	---	2.15	1975
1976	---	---	0.114	11.2	3.36	6.92	4.38	0.413	0.192	0.073	---	---	2.43	1976
1977	---	---	0.030	0.643	0.314	0.134	0.040	0.036	0.028	0.079	---	---	0.174	1977
1978	---	---	0.042	1.20	0.169	0.081	0.075	0.063	0.092	0.085	---	---	0.216	1978
1979	---	---	0.006	5.21	2.23	0.109	0.582	0.372	0.268	0.206	---	---	1.11	1979
1980	---	---	0.045	5.61	0.326	0.153	0.126	0.163	0.076	0.043	---	---	0.804	1980
1981	---	---	0.089	0.076	0.109	0.237	0.413	0.432	0.161	0.224	---	---	0.218	1981
1982	---	---	0.062	1.00	0.124	0.074	0.391	0.112	0.160	0.139	---	---	0.256	1982
1983	---	---	0.015	3.40	1.20	1.68	2.26	0.124	0.075	0.125	---	---	1.10	1983
1984	---	---	0.687	0.427	0.323	0.178	0.031	0.049	0.092	0.131	---	---	0.240	1984
1985	---	---	0.011	7.14	2.10	0.717	0.056	0.047	0.066	0.046	---	---	1.26	1985
1986	---	---	1.38	2.47	0.457	0.258	0.109	0.061	0.046	0.040	---	---	0.563	1986
1987	---	---	0.840	0.662	0.082	0.252	0.228	0.152	0.066	0.106	---	---	0.286	1987
1988	---	0.067	0.186	1.21	0.600	0.034	0.033	0.117	0.032	0.038	---	---	0.280	1988
1989	---	---	0.020	0.320	0.141	0.197	0.171	0.032	0.074	0.102	---	---	0.131	1989
1990	---	---	0.018	3.69	0.301	0.113	0.060	0.034	0.030	0.030	---	---	0.525	1990
MEAN	---	0.067	0.154	3.07	1.45	0.721	0.491	0.204	0.144	0.132	2.11	---	0.576	MEAN

LOCATION - LAT 51 22 50 N
LONG 102 30 11 W

DRAINAGE AREA, 2 320 km²
REGULATED

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	5.72 ON APR 11	0 ON MAR 01 *	2 500	1941
1942	---	10.9 B ON APR 04	0 ON MAY 23	---	1942
1943	---	11.1 ON APR 10	0 B ON MAR 01	9 360	1943
1944	---	4.25 B ON APR 07	0 B ON MAR 01	---	1944
1945	---	---	0 ON MAR 01	---	1945
1946	---	---	0 ON APR 06	---	1946
1947	---	---	0 E ON JUL 31	---	1947
1948	---	47.6 B ON APR 26	0 ON SEP 03	---	1948
1949	---	---	0 ON JUL 04	---	1949
1950	---	33.7 ON APR 16	0 ON AUG 20	---	1950
1951	---	---	---	---	1951
1952	---	---	0 ON MAY 05	---	1952
1953	---	14.7 ON APR 06	---	---	1953
1954	---	10.6 ON JUN 17	---	---	1954
1955	---	20.2 ON MAY 10	---	---	1955
1956	---	29.7 ON APR 25	0 B ON APR 01	---	1956
1957	---	23.4 B ON APR 18	0 B ON MAR 01	26 500	1957
1958	---	0.799B ON MAR 29	0 B ON MAR 01	573	1958
1959	---	9.23 B ON MAR 28	0 B ON MAR 01	3 270	1959
1960	---	54.4 ON APR 12 *	0 B ON MAR 01	21 800	1960
1961	---	0.068 ON APR 05	0 E ON MAR 01	93.6	1961
1962	---	10.7 B ON APR 20	0 B ON MAR 01	4 810	1962
1963	---	1.13 B ON MAR 26	0 B ON MAR 01	1 440	1963
1964	---	6.57 B ON APR 13	0 B ON MAR 01	2 880	1964
1965	---	27.7 B ON APR 12	0 B ON MAR 01	9 720	1965
1966	---	18.2 B ON APR 07	0 B ON MAR 01	15 300	1966
1967	---	5.38 B ON APR 28	0 B ON MAR 01	3 900	1967
1968	---	1.54 B ON APR 10	0 B ON MAR 01	2 880	1968
1969	---	14.9 B ON APR 12	0 B ON MAR 01	8 620	1969
1970	---	8.33 B ON APR 10	0 B ON MAR 01	8 330	1970
1971	---	29.7 B ON APR 10	0 B ON MAR 01	11 400	1971
1972	26.0 B AT 04:34 CST ON APR 12	24.6 B ON APR 12	0 B ON MAR 01	19 000	1972
1973	4.70 AT 20:00 CST ON AUG 29	4.16 ON AUG 29	0 B ON MAR 01	3 690	1973
1974	53.5 B AT 16:05 CST ON APR 20 *	48.1 B ON APR 20	0.042B ON MAR 01	34 100	1974
1975	27.3 B AT 16:32 CST ON APR 21	23.7 B ON APR 21	0 B ON MAR 01	45 400	1975
1976	49.6 B AT 13:19 CST ON APR 10	43.9 B ON APR 10	0.040 ON OCT 07	51 400	1976
1977	3.79B AT 15:28 CST ON APR 09	3.14 B ON APR 09	0.022B ON MAR 01	3 680	1977
1978	4.59B AT 10:00 CST ON APR 08	3.85 B ON APR 08	0 B ON MAR 01	4 570	1978
1979	26.5 B AT 05:37 CST ON APR 24	23.6 B ON APR 23	0 B ON MAR 01	23 600	1979
1980	26.0 B AT 08:40 CST ON APR 06	23.2 B ON APR 06	0.016 ON OCT 06	17 000	1980
1981	4.03 AT 14:30 CST ON AUG 01	3.78 ON AUG 01	0.024B ON MAR 07	4 620	1981
1982	5.99B AT 12:17 CST ON APR 15	5.72 B ON APR 15	0.010B ON MAR 01	5 430	1982
1983	38.1 AT 19:30 CST ON APR 22	26.5 B ON APR 22	0 B ON MAR 16	23 300	1983
1984	---	5.86 B ON MAR 27	0 ON SEP 03	5 080	1984
1985	27.3 AT 07:34 CST ON APR 12	26.0 ON APR 12	0.002B ON MAR 01	26 600	1985
1986	15.7 B AT 07:47 CST ON APR 01	14.3 B ON APR 01	0.009B ON MAR 01	11 900	1986
1987	4.04B AT 08:04 CST ON MAR 24	3.85 B ON MAR 24	0.010B ON MAR 01	6 060	1987
1988	7.67B AT 16:56 CST ON APR 04	6.86 B ON APR 04	0 ON JUN 24	5 920	1988
1989	2.29B AT 21:48 CST ON APR 05	1.58 B ON APR 05	0.002B ON MAR 01	2 780	1989
1990	---	7.50 B ON APR 07	0.006 ON JUL 26	11 100	1990
				12 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NAME	STATION NO.	PAGE
ABITAU RIVER ABOVE CUMING LAKE	07QC005	1
ADAMS CREEK AT SODERSTROM'S RANCH	11AB005	1
ADAMS CREEK AT SPANGLER'S RANCH	11AB014	1
ADAMS NORTH DITCH NEAR CYPRESS	05HA027	2
ADAMS SOUTH DITCH FROM CYPRESS CREEK	05HA028	2
ALCOTT CREEK ABOVE MEADOW LAKE	06AD011	2
ANTELOPE CREEK NEAR CABRI	05HC005	3
ANTLER RIVER NEAR WAUCHOPE	05NF010	4
ARM RIVER NEAR BETHUNE	05JH001	5
ARMSTRONG EAST DITCH NEAR MURRAYDALE	11AC030	6
ARMSTRONG WEST DITCH NEAR MURRAYDALE	11AC031	7
ARNOLD TRIBUTARY NEAR FISKE	05HF019	8
ASSINIBOINE RIVER AT KAMSACK	05MD004	9
ASSINIBOINE RIVER AT STURGIS	05MC001	11
AVONLEA CREEK NEAR ROULEAU	05JE005	13
BADGER DITCH NEAR CONSUL	11AB026	14
BALLANTYNE RIVER ABOVE BALLANTYNE BAY	05KF001	14
BARRIER RIVER BELOW BARRIER LAKE	05LA006	15
BARRIER RIVER NEAR MCKAGUE	05LA002	16
BARRIER RIVER OVERFLOW	05LA001	16
BARROBY DITCH NEAR RAVENSCRAG	11AC032	17
BATE CREEK AT BATE'S RANCH	11AC024	17
BATE SOUTH DITCH	11AC034	17
BATTLE CREEK ABOVE CYPRESS LAKE WEST INFLOW CANAL	11AB076	18
BATTLE CREEK ABOVE CYPRESS LAKE WEST OUTFLOW CANAL	11AB100	19
BATTLE CREEK ABOVE GAFF DITCH	11AB003	20
BATTLE CREEK AT ALBERTA BOUNDARY	11AB117	21
BATTLE CREEK AT INTERNATIONAL BOUNDARY	11AB027	22
BATTLE CREEK AT NASH'S RANCH	11AB010	24
BATTLE CREEK AT RANGER STATION	11AB081	25
BATTLE CREEK AT WILSON'S RANCH	11AB011	25
BATTLE CREEK BELOW DIVERSION CANAL	11AB015	26
BATTLE CREEK BELOW GAFF DITCH	11AB112	26
BATTLE CREEK BELOW NASHLYN PROJECT	11AB101	27
BATTLE CREEK BELOW WILKES' RANCH	11AB073	27
BATTLE CREEK BELOW WILSON'S WEIR	11AB118	28
BATTLE CREEK NEAR CONSUL	11AB096	29
BATTLE RIVER AT BATTLEFORD	05FF001	30
BATTLE RIVER NEAR UNWIN	05FE001	32
BEAR CREEK AT BERTRAM'S RANCH	05HA005	33
BEAR CREEK NEAR PIAPOT	05HA003	34
BEAVER CREEK AT INTERNATIONAL BOUNDARY	11AF005	35
BEAVER CREEK NEAR INTERNATIONAL BOUNDARY	11AF004	36
BEAVER RIVER BELOW WATERHEN RIVER	06AG001	36
BEAVER RIVER NEAR DORINTOSH	06AD001	37
BEAVERDAM CREEK NEAR WEYBURN	05NB004	38
BECKETT BROOK NEAR FOAM LAKE	05MA022	39
BELANGER CREEK ABOVE CYPRESS LAKE EAST INFLOW CANAL	11AC016	40
BELANGER CREEK AT GARRISON'S RANCH	11AC006	40
BELANGER CREEK BELOW CYPRESS LAKE EAST INFLOW CANAL	11AC059	41
BELANGER CREEK DIVERSION TO CYPRESS LAKE	11AC064	42
BEVERIDGE EAST DITCH NEAR MAPLE CREEK	05HA035	43
BEVERIDGE WEST DITCH NEAR SKIBEREEN	05HA020	44
BIG GULLY CREEK NEAR MAIDSTONE	05EF005	44
BIG MUDDY CREEK AT INTERNATIONAL BOUNDARY	11AF002	45
BIRCH CREEK NEAR ELFROS	05MA011	45
BIRCH RIVER NEAR MANITOBA BOUNDARY	05KH013	46
BIRLING CREEK NEAR PAYNTON	05EG006	47
BISSET CREEK NEAR CHOICELAND	05KE006	48
BLACKTAIL CREEK AT GARISSERE'S RANCH	11AC011	48
BOGGY CREEK NEAR LUMSDEN	05JF006	49
BOLINGBROKE DITCH NEAR EASTEND	11AC021	50
BONE CREEK AT LEWIS RANCH	05HD003	51
BOWREY DITCH NEAR BARNARD	11AE004	51
BOXELDER CREEK AT HARGRAVE'S RANCH	05AH050	55
BOXELDER CREEK NEAR WALSH	05AH001	55
BRADWELL INLET CANAL ABOVE BRADWELL RESERVOIR	05HG010	54
BRANIFF DITCH NEAR PIAPOT	05HA038	55
BREED CREEK NEAR BUZZARD'S RANCH	11AC026	55
BRIDGE CREEK AT GULL LAKE	05HA015	56
BRIDGE CREEK AT RAYMOND'S RANCH	05HA013	57
BRIDGE CREEK NEAR SKULL CREEK	05HA001	58
BRIGHTWATER CREEK BELOW BRIGHTWATER RESERVOIR	05HG016	58
BRIGHTWATER CREEK NEAR KENASTON	05HG002	59
BRIGHTWATER CREEK NEAR PROCTOR LAKE	05HG020	60
BRODERICK IRRIGATION PROJECT MAIN CANAL ABOVE BRODERICK RESERVOI	05HF006	60
BRODERICK IRRIGATION PROJECT MAIN CANAL BELOW PUMPING STATION	05HF007	61
BROKENSHELL CREEK NEAR TROSSACHS	05JE009	62
BROWN DITCH NEAR DIVIDE	11AD002	62
BUCHANAN DITCH NEAR GOVENLOCK	11AB109	63
BURNTOUT BROOK NEAR ARBORFIELD	05KB005	63
BUSHY COULEE NEAR CONSUL	11AB071	64
CANOE RIVER NEAR BEAUVAL	06BB005	65
CARROT RIVER AT BEAULIEU'S FARM	05KA003	65
CARROT RIVER NEAR ARMLEY	05KB003	66
CARROT RIVER NEAR KINISTINO	05KA001	68
CARROT RIVER NEAR MYRHEIM'S FARM	05KB004	69
CARROT RIVER NEAR SMOKY BURN	05KC001	70
CARROT RIVER NEAR TURNBERRY	05KH007	71
CATON DITCH NEAR RAVENSCRAG	11AC035	71
CHIPMAN RIVER ABOVE BLACK LAKE	07LC002	72
CHURCHILL RIVER ABOVE DIPPER RAPIDS	06BB002	72
CHURCHILL RIVER ABOVE MAPLE LEAF RAPIDS	06EA010	73
CHURCHILL RIVER ABOVE OTTER RAPIDS	06CD002	73
CHURCHILL RIVER AT SANDY BAY	06EA011	74
CHURCHILL RIVER BELOW TRADE LAKE	06EA002	75
CHURCHILL RIVER NEAR PATUANAK	06CD004	76
CLARKE AND THOMPSON DITCH NEAR EASTEND	06BB003	77
CLEARWATER RIVER AT OUTLET OF LLOYD LAKE	11AC036	77
COLD RIVER AT OUTLET OF COLD LAKE	07CD006	78
CONGLOMERATE CREEK AT CROSS RANCH	06AF001	78
CONJURING CREEK NEAR PREECEVILLE	11AC002	79
CONNELL CREEK NEAR CONNELL CREEK	05MC004	79
COTTONWOOD CREEK NEAR LUMSDEN	05KC002	80
COULEE, WEST OF BOUNDARY RESERVOIR NEAR ESTEVAN	05JF011	81
COW CREEK NEAR INTERNATIONAL BOUNDARY	05NB019	81
CREE RIVER AT OUTLET OF WAPATA LAKE	11AE012	82
CREIGHTON TRIBUTARY NEAR TOTNES	07LD002	82
CROMARTY CREEK NEAR BIRCH HILLS	05HF014	83
CROOKED HILL CREEK NEAR CANORA	05HH002	84
CRYSTAL CREEK NEAR IFFLEY	05MB006	85
CUMBERLAND DITCH NEAR PIAPOT	05EG004	86
CUT KNIFE CREEK NEAR CUT KNIFE	05HA034	87
CUTARM CREEK NEAR SPY HILL	05FF003	87
CYPRESS LAKE EAST INFLOW CANAL NEAR VIDORA	05JM015	88
CYPRESS LAKE EAST OUTFLOW CANAL	11AC072	89
CYPRESS LAKE WEST INFLOW CANAL	11AC060	90
	11AB078	92

INDEX (CONT.)

NAME	STATION NO.	PAGE
CYPRESS LAKE WEST INFLOW CANAL DRAIN	11AB085	94
CYPRESS LAKE WEST OUTFLOW CANAL	11AB077	95
DAFOE BROOK NEAR DAFOE	05MA018	96
DAVIS CREEK AT DRURY'S RANCH	11AC004	97
DEAD RIVER NEAR KINISTINO	05KA004	97
DENNIEL CREEK EAST TRIBUTARY NEAR VAL MARIE	11AC073	97
DENNIEL CREEK NEAR VAL MARIE	11AC025	98
DESCHARME RIVER BELOW DUPRE LAKE	07CD007	99
DILLON RIVER BELOW DILLON LAKE	06BA002	100
DIXON DITCH NEAR MAPLE CREEK	05HA041	101
DOGHIDE RIVER BELOW TISDALE	05KB009	101
DOGHIDE RIVER NEAR RUNCIMAN	05KB011	101
DOGHIDE RIVER NEAR TISDALE	05KB002	102
DORE RIVER NEAR THE MOUTH	06AG002	102
DOUGLAS RIVER NEAR CLUFF LAKE	07MA003	103
DOWNIE CREEK BELOW DOWNIE LAKE	05HA073	104
DOWNIE LAKE INFLOW CANAL	05HA070	105
DOWNIE LAKE OUTFLOW CANAL	05HA071	106
DRAGLINE CHANNEL NEAR SQUAW RAPIDS	05KH011	107
DUCK CREEK NEAR KELVINGTON	05LA003	107
EAGLE CREEK NEAR ANGLIA	05GC002	108
EAGLE CREEK NEAR ENVIRON	05GC006	109
EAGLE CREEK NEAR KINLEY	05GC003	110
EAGLE CREEK NEAR ROSETOWN	05GC005	110
EAGLE CREEK NEAR TESSIER	05GC004	111
EAST FORK BATTLE CREEK NEAR INTERNATIONAL BOUNDARY	11AB107	112
EAST POPLAR RIVER ABOVE COOKSON RESERVOIR	11AE014	113
EAST POPLAR RIVER AT INTERNATIONAL BOUNDARY	11AE003	114
EAST POPLAR RIVER AT MORRISON DAM	11AE011	115
EASTEND CANAL	11AC052	116
ECHO CREEK AT FORT QU'APPELLE	05JK008	117
EKAPO CREEK NEAR BROADVIEW	05JM009	118
EKAPO CREEK NEAR MARIEVAL	05JM010	118
ELBOW DIVERSION CANAL AT DROP STRUCTURE	05JG006	119
ENGLISHMAN RIVER NEAR SPRUCE LAKE	05EF006	120
ENRIGHT AND STRONG DITCH NEAR EASTEND	11AC005	120
ETOMAMI RIVER NEAR BERTWELL	05LB002	121
ETOMAMI RIVER NEAR RESERVE	05LB001	122
EYEHILL CREEK NEAR MACKLIN	05GA007	123
EYEHILL CREEK NEAR YONKER	05GA001	123
FAHLMAN CREEK NEAR DAVIN	05JF008	124
FAIRWELL CREEK AT DRURY'S RANCH	11AC003	125
FAUQUIERS DITCH NEAR MAPLE CREEK	05HA018	126
FEARON AND MOORHEAD BRIDGE CREEK DITCH NEAR SKULL CREEK	05HA014	126
FEARON AND MOORHEAD MAIN DITCH NEAR SKULL CREEK	05HA024	127
FEARON AND MOORHEAD SKULL CREEK DITCH	05HA023	127
FIR RIVER NEAR HUDSON BAY	05LB003	127
FIR RIVER NEAR HUDSON BAY	05LB007	128
FLOWING WELL WEST INFLOW NEAR FLOWING WELL	05JC007	129
FOND DU LAC RIVER AT OUTLET OF BLACK LAKE	07LE002	130
FOND DU LAC RIVER AT STONY RAPIDS	07LE001	131
FOSTER RIVER ABOVE CHURCHILL RIVER	06CE001	131
FRENCHMAN RIVER ABOVE EASTEND RESERVOIR	11AC018	132
FRENCHMAN RIVER AT 50-MILE	11AC023	134
FRENCHMAN RIVER AT BUZZARD'S RANCH	11AC027	135
FRENCHMAN RIVER AT DRURY'S RANCH	11AC040	136
FRENCHMAN RIVER AT HIGHWAY NO. 37	11AC067	136
FRENCHMAN RIVER AT HUFF'S RANCH	11AC010	136
FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY	11AC041	138
FRENCHMAN RIVER AT RAVENSCRAG	11AC017	140
FRENCHMAN RIVER AT WALKER'S	11AC029	140
FRENCHMAN RIVER BELOW EASTEND IRRIGATION PROJECT	11AC057	141
FRENCHMAN RIVER BELOW EASTEND RESERVOIR	11AC001	142
FRENCHMAN RIVER BELOW MULE CREEK	11AC071	144
FRENCHMAN RIVER BELOW NEWTON LAKE	11AC062	144
FRENCHMAN RIVER BELOW VAL MARIE	11AC051	145
FRENCHMAN RIVER NEAR BELANGER	11AC022	146
FRENCHMAN RIVER NEAR ROSEFIELD	11AC070	146
GAFF DITCH FROM BATTLE CREEK	11AB019	147
GAFF DITCH NEAR MERRYFLAT	11AB102	148
GAINSBOROUGH CREEK NEAR STORTHOAKS	05NF013	149
GAP CREEK ABOVE JUNCTION RESERVOIR	05HA072	150
GAP CREEK AT SMALL'S RANCH	05HA009	151
GAP CREEK BELOW DOWNIE LAKE DIVERSION	05HA069	152
GAP CREEK NEAR MAPLE CREEK	05HA012	153
GARDEN RIVER NEAR HENRIBOURG	05GG010	154
GEIKIE RIVER BELOW WHEELER RIVER	06DA004	155
GIBSON CREEK NEAR RADVILLE	05NA005	156
GILCHRIST BROS. DAVIS CREEK DITCH NEAR VIDORA	11AC050	157
GILCHRIST BROS. DITCH NEAR CONSUL	11AB025	157
GIRARD CREEK NEAR CORONACH	11AE015	158
GOOSEHUNTING CREEK NEAR BEATTY	05KA009	158
GORDON IRONSIDE AND FARES DITCH NEAR CRANE LAKE	05HA043	159
GREASE RIVER BELOW FONTAINE LAKE	07LE003	159
GREENWATER CREEK NEAR CHELAN	05LB009	160
HAMMOND DITCH NEAR GOVENLOCK	11AB034	161
HAMMOND WEST DITCH NEAR MAPLE CREEK	05HA045	161
HAPPYLAND CREEK NEAR FOX VALLEY	05HB002	161
HAULTAIN RIVER ABOVE NORBERT RIVER	06BD001	162
HAY CREEK AT FAQUIER'S RANCH	05HA007	162
HAY CREEK AT HAT CREEK SCHOOL	05HA021	163
HAY MEADOW CREEK NEAR LISIEUX	11AE010	164
HORSE CREEK AT INTERNATIONAL BOUNDARY	11AE006	165
HORSEHEAD CREEK NEAR MAKWA	06AD004	166
HUFF LAKE GRAVITY CANAL	11AC065	167
HUFF LAKE PUMPING CANAL	11AC066	169
HUNTER CREEK NEAR RICHARDSON	05JF014	170
INDIANHEAD CREEK NEAR INDIAN HEAD	05JL002	171
INVERNESS CREEK NEAR BRODERICK	05HG021	172
IRONSPRING CREEK NEAR WATSON	05MA012	173
ISKWAO CREEK NEAR CRAIK	05JG014	174
JACKFISH RIVER NEAR PRINCE	05EG002	175
JACKFISH RIVER NEAR PRINCE	05EG007	175
JEWEL CREEK NEAR GOODWATER	05NB014	176
JONES CREEK AT READ'S RANCH	05HD002	177
JONES CREEK AT STEARNS' RANCH	05HD009	177
JUMPING DEER CREEK NEAR LIPTON	05JK004	178
KAPOSVAR CREEK NEAR ESTERHAZY	05JM012	179
KAPOSVAR CREEK NEAR TANTALLON	05JM005	180
KEARNEY BROTHERS DITCH NEAR KEALEY SPRINGS	11AC042	180
KEELEY RIVER AT OUTLET OF KEELEY LAKE	06BB004	181
KELSEY CREEK NEAR GARRICK	05KE007	182

NAME	STATION NO.	PAGE
KNOX COULEE NEAR TUXFORD	05JG015	183
KOHLESCHMIDT CREEK NEAR ROSTHERN	05HH003	183
KOROTT DITCH NEAR EASTEND	11AC020	184
LAKE OF THE RIVERS WEST INFLOW	05JD004	185
LANIGAN CREEK ABOVE BOULDER LAKE	05JJ003	186
LANIGAN CREEK DIVERSION TO LITTLE MANITOU LAKE	05JJ004	187
LANIGAN CREEK NEAR HATFIELD	05JJ002	187
LANIGAN CREEK NEAR LANIGAN	05JJ010	188
LAST MOUNTAIN CREEK NEAR CRAVEN	05JH006	188
LAWRIE CREEK NEAR INSINGER	05MB012	189
LEATHER RIVER BELOW PRESBYTERIAN RIVER	05KB010	189
LEATHER RIVER NEAR STAR CITY	05KB006	190
LESLIE EAST DITCH NEAR COULEE	11AB037	190
LESLIE WEST DITCH NEAR COULEE	11AB038	191
LEWIS CREEK NEAR IMPERIAL	05JH005	191
LEWIS DITCH AT KLINTONEL	05HD013	192
LIGHTNING CREEK NEAR CARNDUFF	05NF006	192
LILIAN RIVER NEAR LADY LAKE	05MC003	193
LINDNER BROS. DITCH NEAR BATTLE CREEK	11AB012	194
LITTLE BOGGY CREEK NEAR COTE	05MD006	194
LITTLE BREED CREEK NEAR BUZZARD'S RANCH	11AC028	195
LITTLE BRIDGE CREEK NEAR ARMLEY	05KB008	195
LODGE CREEK AT INTERNATIONAL BOUNDARY	11AB006	196
LODGE CREEK BELOW MCRAE CREEK AT INTERNATIONAL BOUNDARY	11AB083	198
LODGE CREEK BELOW SPANGLER PROJECT	11AB088	199
LODGE CREEK NEAR ALBERTA BOUNDARY	11AB082	199
LOISELLE CREEK NEAR HUDSON BAY	05LB004	200
LONEPINE CREEK AT HEWITT'S RANCH	11AC007	201
LONG CREEK AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY	05NB013	201
LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY	05NA003	202
LONG CREEK NEAR CROSBY	05NB026	203
LONG CREEK NEAR ESTEVAN	05NB001	204
LONG CREEK NEAR MAXIM	05NA004	206
LONG CREEK NEAR NCONAN	05NB027	207
LONG CREEK NEAR TRIBUNE	05NA001	207
LONG CREEK NEAR TRIBUNE	05NA002	208
LOON CREEK NEAR MARKINCH	05JK006	208
LYNCH DITCH NEAR GOVENLOCK	11AB042	208
LYONS CREEK AT INTERNATIONAL BOUNDARY	11AB075	209
MACDONALD CREEK NEAR BOUNTY	05HF005	211
MACFARLANE RIVER AT OUTLET OF DAVY LAKE	07MB001	212
MACLEOD TRIBUTARY NEAR BICKLEIGH	05HF012	212
MACNAB CREEK NEAR SOMME	05LB008	213
MAGNUSSON CREEK NEAR WYNYARD	05MA021	214
MAKWA RIVER AT OUTLET OF MAKWA LAKE	06AD009	215
MAKWA RIVER AT RAPID VIEW	06AD007	216
MAKWA RIVER NEAR BROUN'S FARM	06AD002	217
MALONECK CREEK NEAR PELLY	05LE011	218
MANN DITCH NEAR SKULL CREEK	05HA031	218
MANYBONE CREEK NEAR KRONAU	05JF007	219
MAPLE CREEK ABOVE BIGSTICK LAKE	05HA068	219
MAPLE CREEK ABOVE JUNCTION RESERVOIR	05HA008	220
MAPLE CREEK ABOVE TENAILLE LAKE RESERVOIR	05HA067	221
MAPLE CREEK AT MENELEY'S FARM	05HA019	222
MAPLE CREEK BELOW JUNCTION RESERVOIR	05HA076	223
MAPLE CREEK NEAR MAPLE CREEK	05HA011	223
MARSHALL AND GAFF DITCH AT BATTLE CREEK	11AB043	224
MCCARTHY BERTRAM AND SALT EAST DITCH NEAR PIAPOT	05HA033	224
MCCARTHY BERTRAM AND SALT WEST DITCH NEAR PIAPOT	05HA032	225
MCDONALD CREEK NEAR MCCORD	05JA003	225
MCDONALD TRIBUTARY NEAR TOTNES	05HF015	226
MCEACHERN CREEK AT INTERNATIONAL BOUNDARY	11AE007	228
MCEACHERN CREEK AT MCCOY'S RANCH	11AE001	229
MCKINNON DITCH NEAR CONSUL	11AB044	231
MCRAE COULEE AT INTERNATIONAL BOUNDARY	11AB070	233
MCSHANE CREEK AT SMALL'S RANCH	05HA010	233
MEADOW RIVER BELOW MEADOW LAKE	06AD010	234
MEADOW RIVER NEAR MEADOW LAKE	06AD003	235
MELFORT CREEK NEAR MELFORT	05KB001	235
MIDDLE CREEK ABOVE LODGE CREEK	11AB008	236
MIDDLE CREEK BELOW MIDDLE CREEK RESERVOIR	11AB001	238
MIDDLE CREEK NEAR BATTLE CREEK	11AB087	239
MIDDLE CREEK NEAR GOVENLOCK	11AB108	240
MIDDLE CREEK RESERVOIR BEDFORD OUTLET	11AB114	241
MIDDLE CREEK RESERVOIR FLOOD SPILLWAY	11AB115	242
MIDDLE CREEK RESERVOIR MAIN OUTLET	11AB113	243
MILLIGAN CREEK NEAR WADENA	05MA023	244
MONNERY RIVER NEAR PARADISE HILL	05EF004	245
MONTREAL RIVER AT HIGHWAY NO. 2	06CA003	246
MONTREAL RIVER AT OUTLET OF BIGSTONE LAKE	06CA001	246
MOON LAKE CREEK NEAR SASKATOON	05HG017	247
MOOREHEAD DITCH ON PIAPOT CREEK	05HA025	247
MOOSE JAW RIVER ABOVE THUNDER CREEK	05JE001	249
MOOSE JAW RIVER AT CHEVRIER'S FARM	05JE003	250
MOOSE JAW RIVER NEAR BURDICK	05JE006	251
MOOSE JAW RIVER NEAR LANG	05JE002	253
MOOSE JAW RIVER NEAR ROULEAU	05JE004	254
MOOSE MOUNTAIN CREEK ABOVE KISBEY IRRIGATION PROJECT	05NC003	255
MOOSE MOUNTAIN CREEK BELOW KISBEY IRRIGATION PROJECT	05NC004	256
MOOSE MOUNTAIN CREEK BELOW MOOSE MOUNTAIN LAKE	05NC001	257
MOOSE MOUNTAIN CREEK NEAR GLENAVON	05NC005	257
MOOSE MOUNTAIN CREEK NEAR OXBOW	05ND004	258
MORIN CREEK NEAR MEADOW LAKE	06AD008	260
MORRISON DITCH NEAR EASTEND	11AC043	260
MOSQUITO CREEK NEAR PAMBRUN	05JB007	261
MOSQUITO CREEK NEAR VANGUARD	05JB005	261
MUDDY LAKE INFLOW NEAR REVENUE	05GB004	262
MUDDY LAKE INFLOW NEAR UNITY	05GB003	262
MUDJATIK RIVER NEAR PORCIER LAKE	06BC001	263
MULE CREEK AT GUNN'S RANCH NEAR NUMMOLA	11AC014	263
MULL EAST DITCH	11AB051	264
MULL WEST DITCH	11AB052	264
MULLNER CREEK NEAR VERNDALE	05KA005	264
NASHLYN CANAL NEAR CONSUL	11AB018	266
NEEDHAM DITCH NEAR PIAPOT	05HA017	267
NEWTON LAKE MAIN CANAL	11AC054	268
NORBURY CREEK NEAR SPIRITWOOD	06AE001	270
NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT	05GG001	271
NORTH SASKATCHEWAN RIVER NEAR DEER CREEK	05EF001	273
NORTH SASKATCHEWAN RIVER NEAR NORTH BATTLEFORD	05EG001	274
NOTUKEU CREEK ABOVE ADMIRAL RESERVOIR	05JB004	275
NOTUKEU CREEK NEAR GRAVELBOURG	05JB003	276
NOTUKEU CREEK NEAR VANGUARD	05JB001	277
OLDMAN RIVER NEAR GOLDFIELDS	07MC001	278
OPUNTIA LAKE WEST INFLOW	05GC007	279
OSCAR CREEK NEAR KRYDOR	05GD002	280

NAME	STATION NO.	PAGE
OTHERSIDE RIVER AT OUTLET OF MERCREDI LAKE	07LE004	280
OVERFLOWING RIVER NEAR HUDSON BAY	05LD003	281
OXARAT CREEK AT WYLIE'S RANCH	11AC009	282
PAGATO RIVER AT OUTLET OF PAGATO LAKE	06EA007	282
PAGE CREEK NEAR IFFLEY	05EG008	283
PARSONAGE DITCH NEAR BATTLE CREEK	11AB053	283
PASQUIA RIVER AT HIGHWAY NO. 9	05KJ014	284
PATTERSON DITCH NEAR BATTLE CREEK	11AB054	284
PEARSE DITCH NEAR RAVENSCRAG	11AC047	285
PELLETIER CREEK NEAR DUNCAIRN	05HD029	286
PETAIGAN RIVER BELOW PETAIGAN SCHOOL	05KD002	286
PHEASANT CREEK NEAR ABERNETHY	05JL005	287
PHEASANT CREEK NEAR BLACKWOOD	05JL003	288
PIAPOT CREEK NEAR PIAPOT	05HA062	289
PINTO CREEK NEAR WOODROW	05JA004	290
PIPESTONE CREEK ABOVE MOOSOMIN LAKE	05NE003	290
PIPESTONE CREEK NEAR MOOSOMIN	05NE001	291
PIPESTONE CREEK NEAR ROSE VALLEY	05LA004	292
PIPESTONE RIVER BELOW ROTARIU LAKE	07LD003	293
POLLOCK EAST DITCH NEAR CYPRESS	05HA050	293
POLLOCK EAST DITCH NEAR SOUTH FORK	05HD012	294
POLLOCK WEST DITCH FROM CYPRESS CREEK	05HA051	294
PONASS CREEK NEAR PONASS LAKE	05MA008	295
POPLAR RIVER ABOVE BOLSTER CREEK	11AE018	295
POPLAR RIVER AT INTERNATIONAL BOUNDARY	11AE008	296
PORCUPINE RIVER AT OUTLET OF GROVE LAKE	07LC003	297
PRAIRIE RIVER NEAR PRAIRIE RIVER	05LB010	298
PRESBYTERIAN RIVER ABOVE LEATHER RIVER	05KB013	299
QU'APPELLE RIVER ABOVE BUFFALO POUND LAKE	05JG004	300
QU'APPELLE RIVER ABOVE EYEBROW LAKE	05JG010	301
QU'APPELLE RIVER AT HYDE	05JM013	302
QU'APPELLE RIVER AT MARIEVAL	05JM011	303
QU'APPELLE RIVER AT TANTALLON	05JM003	303
QU'APPELLE RIVER BELOW CRAVEN DAM	05JK002	305
QU'APPELLE RIVER BELOW EYEBROW LAKE	05JG011	306
QU'APPELLE RIVER BELOW KATEPWA LAKE	05JL001	307
QU'APPELLE RIVER BELOW LOON CREEK	05JK007	308
QU'APPELLE RIVER BELOW MOOSE JAW RIVER	05JG007	309
QU'APPELLE RIVER BELOW ROUND LAKE	05JM008	310
QU'APPELLE RIVER NEAR LUMSDEN	05JF001	311
QU'APPELLE RIVER NEAR WELBY	05JM001	313
QUILL CREEK NEAR QUILL LAKE	05MA020	314
RABBIT CREEK NEAR MAKWA	06AD005	314
RADOUGA CREEK NEAR BLAINE LAKE	05GE001	315
RANCH CREEK ABOVE RANCH LAKE	05MA025	316
RANCH CREEK NEAR ANNAHEIM	05MA013	316
RANCH CREEK NEAR ANNAHEIM	05MA014	316
RAPID RIVER AT OUTLET OF LAC LA RONGE	06CB002	317
RED DEER RIVER NEAR ARCHERWILL	05LA005	318
RED DEER RIVER NEAR ERWOOD	05LC001	319
RED DEER RIVER NEAR HUDSON BAY	05LC002	320
RED DEER RIVER NEAR STERN	05LB005	320
REINDEER RIVER ABOVE DEVIL RAPIDS	06DD002	321
REINDEER RIVER AT OUTLET OF REINDEER LAKE	06DB002	322
RICHARDSON DITCH NEAR CONSUL	11AB058	324
RIDALLS TRIBUTARY BELOW GREENLEIGH RESERVOIR	05HF013	326
RIDGE CREEK NEAR BRIDGEFORD	05JG013	326
ROCK CREEK AT INTERNATIONAL BOUNDARY	11AE005	327
ROCK CREEK BELOW HORSE CREEK NEAR INTERNATIONAL BOUNDARY	11AE009	329
ROMANCE CREEK NEAR WATSON	05MA016	330
ROSE CREEK AT DORRELL	11AC015	331
ROUGHBARK CREEK ABOVE ROUGHBARK RESERVOIR	05NB015	331
ROUGHBARK CREEK BELOW ROUGHBARK RESERVOIR	05NB023	332
RUSHLAKE CREEK ABOVE HIGHFIELD RESERVOIR	05JC004	333
RUSSELL CREEK NEAR VANGUARD	05JB002	334
SALINE CREEK NEAR NOKOMIS	05JJ009	335
SANDY CREEK NEAR CARON	05JG001	336
SASKATCHEWAN RIVER ABOVE SIPANOK CHANNEL	05KD005	337
SASKATCHEWAN RIVER AT NIPAWIN	05KD001	337
SASKATCHEWAN RIVER BELOW CUMBERLAND HOUSE	05KH010	337
SASKATCHEWAN RIVER BELOW TOBIN LAKE	05KD003	338
SASKATCHEWAN RIVER NEAR MANITOBA BOUNDARY	05KH008	339
SASKATCHEWAN RIVER OLD CHANNEL	05KH009	339
SASKATOON S.E. PROJECT DIVERSION TO LITTLE MANITOU LAKE	05JJ006	340
SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BLACKSTRAP RESERVOI	05HG008	341
SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRIGHTWATER RESERVO	05HG004	341
SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRODERICK RESERVOIR	05HG019	342
SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW ZELMA RESERVOIR	05HG009	343
SASKATOON S.E. PROJECT MAIN CANAL ABOVE BLACKSTRAP RESERVOIR	05HG005	343
SASKATOON S.E. PROJECT MAIN CANAL ABOVE BRIGHTWATER RESERVOIR	05HG007	344
SASKATOON S.E. PROJECT MAIN CANAL ABOVE ZELMA RESERVOIR	05HG011	345
SASKATOON S.E. PROJECT MAIN CANAL AT INLET TO DELLWOOD RESERVOIR	05JJ007	345
SASKATOON S.E. PROJECT MAIN CANAL AT OUTLET OF MANITOU PUMPING S	05JJ005	346
SHAND CREEK NEAR DILLABOUGH	05LB006	347
SHELL BROOK NEAR SHELLBROOK	05GF001	348
SHEPHERD BROS. EAST DITCH NEAR BATTLE CREEK	11AB022	349
SHEPHERD DITCH NEAR CONSUL	11AB020	350
SHORT CREEK NEAR ROCHE PERCEE	05NB021	351
SHORT CREEK NEAR ROCHE PERCEE	05NB008	352
SHUARD CREEK AT JOHNSON'S RANCH	05HA004	352
SINCLAIR SOUTH DITCH NEAR LEITCHVILLE	05HD020	353
SKULL CREEK AT DOYLE'S RANCH	05HA016	353
SKULL CREEK NEAR PIAPOT	05HA075	354
SKULL CREEK NEAR SKULL CREEK	05HA002	354
SMALL DITCH NEAR CYPRESS	05HA026	354
SMITH CREEK NEAR MARCHWELL	05ME007	355
SMITH TRIBUTARY NEAR FISKE	05HF018	355
SMOOTHSTONE RIVER BELOW EMMELINE LAKE	06CC001	356
SNAKEBITE CREEK NEAR BEECHY	05HE001	357
SNIPE LAKE NORTH INFLOW	05HC003	358
SOURIS RIVER AT WEYBURN	05NB028	359
SOURIS RIVER NEAR BECHARD	05NB031	359
SOURIS RIVER NEAR ESTEVAN	05NB007	361
SOURIS RIVER NEAR GLEN EWEN	05ND001	362
SOURIS RIVER NEAR HALBRITE	05NB017	363
SOURIS RIVER NEAR LEWVAN	05NB025	364
SOURIS RIVER NEAR MACOUN	05NB010	365
SOURIS RIVER NEAR MCTAGGART	05NB030	365
SOURIS RIVER NEAR MIDALE	05NB006	366
SOURIS RIVER NEAR OXBOW	05ND003	366
SOURIS RIVER NEAR ROCHE PERCEE	05NB009	367
SOURIS RIVER NEAR SHERWOOD	05ND007	369
SOUTH SASKATCHEWAN RIVER AT SASKATCHEWAN LANDING	05HC001	370
SOUTH SASKATCHEWAN RIVER AT SASKATOON	05HG001	372
SOUTH SASKATCHEWAN RIVER AT ST. LOUIS	05HH001	374
SOUTH SASKATCHEWAN RIVER BELOW GARDINER DAM	05HF004	375

NAME	STATION NO.	PAGE
SOUTH SASKATCHEWAN RIVER NEAR LEMSFORD	05HB001	375
SOUTH SASKATCHEWAN RIVER NEAR OUTLOOK	05HF001	376
SPANGLER DITCH NEAR ADAMS CREEK	11AB016	376
SPANGLER DITCH NEAR GOVENLOCK	11AB060	378
SPIRIT CREEK NEAR BUCHANAN	05MB007	380
SPRING CREEK NEAR WYNYARD	05MA001	381
SPRING NO. 1 NEAR GULL LAKE	05HA029	381
SPRING NO. 2 NEAR GULL LAKE	05HA030	381
SPRUCE (LITTLE RED) RIVER NEAR PRINCE ALBERT	05GG002	381
SPRUCE RIVER BELOW ANGLIN LAKE RESERVOIR	05GG007	382
SPRUCE RIVER DIVERSION TO EMMA LAKE	05GG006	383
SPRUCE RIVER NEAR OUTLET FROM ANGLIN LAKE	05GG003	384
SQUAW COULEE NEAR WILLOW CREEK	11AB103	384
STOKKE DITCH NEAR GOVENLOCK	11AB110	385
STONY CREEK NEAR KAMSACK	05MD010	385
STONY CREEK NEAR STENEN	05MC002	386
STRONG EAST DITCH NEAR EASTEND	11AC044	387
STRONG WEST DITCH NEAR EASTEND	11AC045	387
STURGEON RIVER NEAR PRINCE ALBERT	05GF002	388
STURGEON-WEIR RIVER AT LEAF RAPIDS	05KG007	389
STURGEON-WEIR RIVER AT OUTLET OF AMISK LAKE	05KG002	390
SUCKER CREEK AT GILCHRIST'S RANCH NEAR VIDORA	11AC008	391
SWAN RIVER NEAR NORQUAY	05LE008	392
SWEETWATER CREEK NEAR STAR CITY	05KB012	392
SWIFT CURRENT CANAL AT SWIFT CURRENT	05HD034	393
SWIFT CURRENT CREEK ABOVE DUNCAIRN RESERVOIR	05HD031	394
SWIFT CURRENT CREEK AT POLLOCK'S RANCH	05HD001	395
SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (LOWER STATION)	05HD005	395
SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (UPPER STATION)	05HD004	396
SWIFT CURRENT CREEK AT SWIFT CURRENT	05HD007	397
SWIFT CURRENT CREEK BELOW PELLETIER CREEK	05HD030	399
SWIFT CURRENT CREEK BELOW REID LAKE	05HD041	400
SWIFT CURRENT CREEK BELOW ROCK CREEK	05HD036	401
SWIFT CURRENT CREEK NEAR LEINAN	05HD039	402
SWIFT CURRENT CREEK NEAR SWIFT CURRENT	05HD038	402
SWIFT CURRENT CREEK NEAR SWIFT CURRENT (LOWER STATION)	05HD006	403
SWIFT CURRENT CREEK NEAR THE MOUTH	05HD037	403
TATAGWA LAKE DRAIN NEAR WEYBURN	05NB018	404
TAZIN RIVER ABOVE TAZIN LAKE	07QC006	405
TAZIN RIVER ABOVE TESELWIRI FALLS	07QC001	405
TEARING RIVER NEAR CUMBERLAND HOUSE	05KH012	405
TENAILLE DITCH NEAR KLINTONEL	11AC046	406
TENMILE CREEK NEAR TENMILE POLICE DETACHMENT	11AB004	406
THUNDER CREEK AT MOOSE JAW	05JG003	407
THUNDER CREEK NEAR DARMODY	05JG012	407
THYME HILL RIVER BELOW MACKENZIE LAKE	06DB003	408
TORCH RIVER NEAR LOVE	05KE002	409
TURTLELAKE RIVER NEAR TURTLEFORD	05EG005	410
UNNAMED CREEK NEAR CUTBANK	05HF022	411
UNNAMED CREEK NEAR GLENSIDE	05HG018	412
VAL MARIE PUMP NO. 1	11AC060	412
VAL MARIE PUMP NO. 2	11AC069	413
VAN PATTENS CREEK NEAR KUROKI	05MB011	414
VIDORA DITCH NEAR CONSUL	11AB084	415
VIDORA DITCH NEAR CONSUL (LOWER STATION)	11AB116	416
WASCANA CREEK AT REGINA	05JF003	417
WASCANA CREEK BELOW KRONAU MARSH	05JF012	417
WASCANA CREEK NEAR LUMSDEN	05JF005	418
WASCANA CREEK NEAR RICHARDSON	05JF009	419
WASCANA CREEK NEAR SEDLEY	05JF004	420
WATERFOUND RIVER BELOW THERIAU LAKE	07LB002	421
WATERHEN RIVER ABOVE BEAVER RIVER	06AF006	422
WATERHEN RIVER NEAR GOODSOIL	06AF005	422
WATHAMAN RIVER BELOW WATHAMAN LAKE	06DC001	423
WEST FORK POPLAR RIVER AT INTERNATIONAL BOUNDARY	11AE002	424
WHEELER RIVER BELOW RUSSELL LAKE	06DA005	425
WHITE FOX RIVER NEAR GARRICK	05KE005	425
WHITE FOX RIVER NEAR WHITE FOX	05KE001	426
WHITE RESERVOIR OUTFLOW	05HF020	427
WHITE TRIBUTARY NEAR FISKE	05HF011	427
WHITESAND RIVER NEAR CANORA	05MB003	428
WHITESAND RIVER NEAR KAMSACK	05MB002	429
WHITESAND RIVER NEAR SHEHO	05MB004	430
WHITESAND RIVER NEAR SPRINGSIDE	05MB008	430
WHITEWATER CREEK NEAR INTERNATIONAL BOUNDARY	11AD001	431
WILCOX MAIN DITCH NEAR WILCOX	05JE008	432
WILKES BROS. DITCH NEAR OXARAT	11AB064	433
WILLIAM RIVER ABOVE CARSWELL RIVER	07MA004	434
WILLIAM RIVER AT SANDY BAY	07MA005	434
WILLOW BROOK AT WILLOWBROOK	05MB005	435
WILLOWS COULEE NEAR ASSINIBOIA	05JD003	435
WILSON CREEK NEAR KILOMETRE 21, CARON	05JG002	436
WIMMER BROOK NEAR WIMMER	05MA019	436
WIWA CREEK NEAR GRAVELBOURG	05JC001	437
WIWA CREEK NEAR ST. BOSWELLS	05JC006	437
WOOD AND ANDERSON SOUTH DITCH NEAR COULEE	11AB066	438
WOOD AND ANDERSON WEST DITCH NEAR COULEE	11AB024	438
WOOD RIVER DIVERSION TO CHAPLIN LAKE	05JC005	439
WOOD RIVER NEAR GRAVELBOURG	05JA001	440
WOOD RIVER NEAR LAFLECHE	05JA002	441
WOODPILE COULEE NEAR INTERNATIONAL BOUNDARY	11AB105	443
WYLIE DITCH NEAR OXARAT	11AC019	444
WYNYARD CREEK NEAR THE MOUTH	05MA015	445
WYNYARD CREEK NEAR WYNYARD	05MA017	445
YELLOW GRASS DITCH NEAR YELLOW GRASS	05NB011	446
YORKTON CREEK NEAR EBENEZER	05MB001	448

STATION NO.	NAME	PAGE
05AH001	BOXELDER CREEK NEAR WALSH	53
05AH050	BOXELDER CREEK AT HARGRAVE'S RANCH	52
05EF001	NORTH SASKATCHEWAN RIVER NEAR DEER CREEK	273
05EF004	MONNERY RIVER NEAR PARADISE HILL	245
05EF005	BIG GULLY CREEK NEAR MAIDSTONE	44
05EF006	ENGLISHMAN RIVER NEAR SPRUCE LAKE	120
05EG001	NORTH SASKATCHEWAN RIVER NEAR NORTH BATTLEFORD	274
05EG002	JACKFISH RIVER NEAR PRINCE	175
05EG004	CRYSTAL CREEK NEAR IFFLEY	86
05EG005	TURTLELAKE RIVER NEAR TURTLEFORD	410
05EG006	BIRLING CREEK NEAR PAYNTON	47
05EG007	JACKFISH RIVER NEAR PRINCE	175
05EG008	PAGE CREEK NEAR IFFLEY	283
05FE001	BATTLE RIVER NEAR UNWIN	32
05FF001	BATTLE RIVER AT BATTLEFORD	30
05FF003	CUT KNIFE CREEK NEAR CUT KNIFE	87
05GA001	EYEHILL CREEK NEAR YONKER	123
05GA007	EYEHILL CREEK NEAR MACKLIN	123
05GB003	MUDDY LAKE INFLOW NEAR UNITY	262
05GB004	MUDDY LAKE INFLOW NEAR REVENUE	262
05GC002	EAGLE CREEK NEAR ANGLIA	108
05GC003	EAGLE CREEK NEAR KINLEY	110
05GC004	EAGLE CREEK NEAR TESSIER	111
05GC005	EAGLE CREEK NEAR ROSETOWN	110
05GC006	EAGLE CREEK NEAR ENVIRON	109
05GC007	OPUNTIA LAKE WEST INFLOW	279
05GD002	OSCAR CREEK NEAR KRYDOR	280
05GE001	RADOUGA CREEK NEAR BLAINE LAKE	315
05GF001	SHELL BROOK NEAR SHELLBROOK	348
05GF002	STURGEON RIVER NEAR PRINCE ALBERT	388
05GG001	NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT	271
05GG002	SPRUCE (LITTLE RED) RIVER NEAR PRINCE ALBERT	381
05GG003	SPRUCE RIVER NEAR OUTLET FROM ANGLIN LAKE	384
05GG006	SPRUCE RIVER DIVERSION TO EMMA LAKE	383
05GG007	SPRUCE RIVER BELOW ANGLIN LAKE RESERVOIR	382
05GG010	GARDEN RIVER NEAR HENRIBOURG	154
05HA001	BRIDGE CREEK NEAR SKULL CREEK	58
05HA002	SKULL CREEK NEAR SKULL CREEK	354
05HA003	BEAR CREEK NEAR PIAPOT	34
05HA004	SHUARD CREEK AT JOHNSON'S RANCH	352
05HA005	BEAR CREEK AT BERTRAM'S RANCH	33
05HA007	HAY CREEK AT FAQUIER'S RANCH	162
05HA008	MAPLE CREEK ABOVE JUNCTION RESERVOIR	220
05HA009	GAP CREEK AT SMALL'S RANCH	151
05HA010	MCSHANE CREEK AT SMALL'S RANCH	233
05HA011	MAPLE CREEK NEAR MAPLE CREEK	223
05HA012	GAP CREEK NEAR MAPLE CREEK	153
05HA013	BRIDGE CREEK AT RAYMOND'S RANCH	57
05HA014	FEARON AND MOORHEAD BRIDGE CREEK DITCH NEAR SKULL CREEK	126
05HA015	BRIDGE CREEK AT GULL LAKE	56
05HA016	SKULL CREEK AT DOYLE'S RANCH	353
05HA017	NEEDHAM DITCH NEAR PIAPOT	267
05HA018	FAUQUIERS DITCH NEAR MAPLE CREEK	126
05HA019	MAPLE CREEK AT MENELEY 3 FARM	222
05HA020	BEVERIDGE WEST DITCH NEAR SKIBEREEN	44
05HA021	HAY CREEK AT HAY CREEK SCHOOL	163
05HA023	FEARON AND MOORHEAD SKULL CREEK DITCH	127
05HA024	FEARON AND MOORHEAD MAIN DITCH NEAR SKULL CREEK	127
05HA025	MOOREHEAD DITCH ON PIAPOT CREEK	247
05HA026	SMALL DITCH NEAR CYPRESS	354
05HA027	ADAMS NORTH DITCH NEAR CYPRESS	2
05HA028	ADAMS SOUTH DITCH FROM CYPRESS CREEK	2
05HA029	SPRING NO. 1 NEAR GULL LAKE	381
05HA030	SPRING NO. 2 NEAR GULL LAKE	381
05HA031	MANN DITCH NEAR SKULL CREEK	210
05HA032	MCCARTHY BERTRAM AND SALT WEST DITCH NEAR PIAPOT	225
05HA033	MCCARTHY BERTRAM AND SALT EAST DITCH NEAR PIAPOT	224
05HA034	CUMBERLAND DITCH NEAR PIAPOT	87
05HA035	BEVERIDGE EAST DITCH NEAR MAPLE CREEK	43
05HA038	BRANIFF DITCH NEAR PIAPOT	55
05HA041	DIXON DITCH NEAR MAPLE CREEK	101
05HA043	GORDON IRONSIDE AND FARES DITCH NEAR CRANE LAKE	159
05HA045	HAMMOND WEST DITCH NEAR MAPLE CREEK	161
05HA050	POLLOCK EAST DITCH NEAR CYPRESS	293
05HA051	POLLOCK WEST DITCH FROM CYPRESS CREEK	294
05HA062	PIAPOT CREEK NEAR PIAPOT	289
05HA067	MAPLE CREEK ABOVE TENAILLE LAKE RESERVOIR	221
05HA068	MAPLE CREEK ABOVE BIGSTICK LAKE	219
05HA069	GAP CREEK BELOW DOWNIE LAKE DIVERSION	152
05HA070	DOWNIE LAKE INFLOW CANAL	105
05HA071	DOWNIE LAKE OUTFLOW CANAL	106
05HA072	GAP CREEK ABOVE JUNCTION RESERVOIR	150
05HA073	DOWNIE CREEK BELOW DOWNIE LAKE	104
05HA075	SKULL CREEK NEAR PIAPOT	354
05HA076	MAPLE CREEK BELOW JUNCTION RESERVOIR	223
05HB001	SOUTH SASKATCHEWAN RIVER NEAR LEMSFORD	375
05HB002	HAPPYLAND CREEK NEAR FOX VALLEY	161
05HC001	SOUTH SASKATCHEWAN RIVER AT SASKATCHEWAN LANDING	370
05HC003	SNIPE LAKE NORTH INFLOW	358
05HC005	ANTELOPE CREEK NEAR CABRI	3
05HD001	SWIFT CURRENT CREEK AT POLLOCK'S RANCH	395
05HD002	JONES CREEK AT READ'S RANCH	177
05HD003	BONE CREEK AT LEWIS RANCH	51
05HD004	SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (UPPER STATION)	396
05HD005	SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (LOWER STATION)	395
05HD006	SWIFT CURRENT CREEK NEAR SWIFT CURRENT (LOWER STATION)	403
05HD007	SWIFT CURRENT CREEK AT SWIFT CURRENT	397
05HD009	JONES CREEK AT STEARNS' RANCH	177
05HD012	POLLOCK EAST DITCH NEAR SOUTH FORK	294
05HD013	LEWIS DITCH AT KLINTONEL	192
05HD020	SINCLAIR SOUTH DITCH NEAR LEITCHVILLE	353
05HD029	PELLETIER CREEK NEAR DUNCAIRN	286
05HD030	SWIFT CURRENT CREEK BELOW PELLETIER CREEK	399
05HD031	SWIFT CURRENT CREEK ABOVE DUNCAIRN RESERVOIR	394
05HD034	SWIFT CURRENT CANAL AT SWIFT CURRENT	393
05HD036	SWIFT CURRENT CREEK BELOW ROCK CREEK	401
05HD037	SWIFT CURRENT CREEK NEAR THE MOUTH	403
05HD038	SWIFT CURRENT CREEK NEAR SWIFT CURRENT	402
05HD039	SWIFT CURRENT CREEK NEAR LEINAN	402
05HD041	SWIFT CURRENT CREEK BELOW REID LAKE	400
05HE001	SNAKEBITE CREEK NEAR BEECHY	357
05HF001	SOUTH SASKATCHEWAN RIVER NEAR OUTLOOK	376
05HF004	SOUTH SASKATCHEWAN RIVER BELOW GARDINER DAM	375
05HF005	MACDONALD CREEK NEAR BOUNTY	211
05HF006	BRODERICK IRRIGATION PROJECT MAIN CANAL ABOVE BRODERICK RESERV	60
05HF007	BRODERICK IRRIGATION PROJECT MAIN CANAL BELOW PUMPING STATION	61
05HF011	WHITE TRIBUTARY NEAR FISKE	427
05HF012	MACLEOD TRIBUTARY NEAR BICKLEIGH	212
05HF013	RIDALLS TRIBUTARY BELOW GREENLEIGH RESERVOIR	326
05HF014	CREIGHTON TRIBUTARY NEAR TOTNES	83

INDEX (CONT.)

STATION NO.	NAME	PAGE
05HF015	MCDONALD TRIBUTARY NEAR TOTNES	226
05HF018	SMITH TRIBUTARY NEAR FISKE	355
05HF019	ARNOLD TRIBUTARY NEAR FISKE	8
05HF020	WHITE RESERVOIR OUTFLOW	427
05HF022	UNNAMED CREEK NEAR CUTBANK	411
05HG001	SOUTH SASKATCHEWAN RIVER AT SASKATOON	372
05HG002	BRIGHTWATER CREEK NEAR KENASTON	59
05HG004	SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRIGHTWATER RESER	341
05HG005	SASKATOON S.E. PROJECT MAIN CANAL ABOVE BLACKSTRAP RESERVOIR	343
05HG007	SASKATOON S.E. PROJECT MAIN CANAL ABOVE BRIGHTWATER RESERVOIR	344
05HG008	SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BLACKSTRAP RESERV	341
05HG009	SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW ZELMA RESERVOIR	343
05HG010	BRADWELL INLET CANAL ABOVE BRADWELL RESERVOIR	54
05HG011	SASKATOON S.E. PROJECT MAIN CANAL ABOVE ZELMA RESERVOIR	345
05HG016	BRIGHTWATER CREEK BELOW BRIGHTWATER RESERVOIR	59
05HG017	MOON LAKE CREEK NEAR SASKATOON	247
05HG018	UNNAMED CREEK NEAR GLENSIDE	412
05HG019	SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRODERICK RESERVO	342
05HG020	BRIGHTWATER CREEK NEAR PROCTOR LAKE	60
05HG021	INVERNESS CREEK NEAR BRODERICK	172
05HH001	SOUTH SASKATCHEWAN RIVER AT ST. LOUIS	374
05HH002	CROMARTY CREEK NEAR BIRCH HILLS	84
05HH003	KOHLESCHMIDT CREEK NEAR ROSTHERN	183
05JA001	WOOD RIVER NEAR GRAVELBOURG	440
05JA002	WOOD RIVER NEAR LAFLECHE	441
05JA003	MCDONALD CREEK NEAR MCCORD	225
05JA004	PINTO CREEK NEAR WOODROW	290
05JB001	MOTUREU CREEK NEAR VANGUARD	277
05JB002	RUSSELL CREEK NEAR VANGUARD	334
05JB003	MOTUREU CREEK NEAR GRAVELBOURG	276
05JB004	MOTUREU CREEK ABOVE ADMIRAL RESERVOIR	275
05JB005	MOSQUITO CREEK NEAR VANGUARD	261
05JB007	MOSQUITO CREEK NEAR PAMBRUN	261
05JC001	WIWA CREEK NEAR GRAVELBOURG	437
05JC004	RUSHLAKE CREEK ABOVE HIGHFIELD RESERVOIR	333
05JC005	WOOD RIVER DIVERSION TO CHAPLIN LAKE	439
05JC006	WIWA CREEK NEAR ST. BOSWELLS	437
05JC007	FLOWING WELL WEST INFLOW NEAR FLOWING WELL	129
05JD003	WILLOWS COULEE NEAR ASSINIBOIA	435
05JD004	LAKE OF THE RIVERS WEST INFLOW	185
05JE001	MOOSE JAW RIVER ABOVE THUNDER CREEK	249
05JE002	MOOSE JAW RIVER NEAR LANG	253
05JE003	MOOSE JAW RIVER AT CHEVRIER'S FARM	250
05JE004	MOOSE JAW RIVER NEAR ROULEAU	254
05JE005	AVONLEA CREEK NEAR ROULEAU	13
05JE006	MOOSE JAW RIVER NEAR BURDICK	251
05JE008	WILCOX MAIN DITCH NEAR WILCOX	432
05JE009	BROKENSHELL CREEK NEAR TROSSACHS	62
05JF001	QU'APPELLE RIVER NEAR LUMSDEN	311
05JF003	WASCANA CREEK AT REGINA	417
05JF004	WASCANA CREEK NEAR SEDLEY	420
05JF005	WASCANA CREEK NEAR LUMSDEN	418
05JF006	BOGGY CREEK NEAR LUMSDEN	49
05JF007	MANYBONE CREEK NEAR KRONAU	219
05JF008	FAHLMAN CREEK NEAR DAVIN	124
05JF009	WASCANA CREEK NEAR RICHARDSON	419
05JF011	COTTONWOOD CREEK NEAR LUMSDEN	81
05JF012	WASCANA CREEK BELOW KRONAU MARSH	417
05JF014	HUNTER CREEK NEAR RICHARDSON	170
05JG001	SANDY CREEK NEAR CARON	336
05JG002	WILSON CREEK NEAR KILOMETRE 21, CARON	436
05JG003	THUNDER CREEK AT MOOSE JAW	407
05JG004	QU'APPELLE RIVER ABOVE BUFFALO POUND LAKE	300
05JG006	ELBOW DIVERSION CANAL AT DROP STRUCTURE	119
05JG007	QU'APPELLE RIVER BELOW MOOSE JAW RIVER	309
05JG010	QU'APPELLE RIVER ABOVE EYEBROW LAKE	301
05JG011	QU'APPELLE RIVER BELOW EYEBROW LAKE	306
05JG012	THUNDER CREEK NEAR DARMODY	407
05JG013	RIDGE CREEK NEAR BRIDGEFORD	326
05JG014	ISKWAO CREEK NEAR CRAIK	174
05JG015	KNOX COULEE NEAR TUXFORD	183
05JH001	ANIM RIVER NEAR BETHUNE	5
05JH005	LEWIS CREEK NEAR IMPERIAL	191
05JH006	LAST MOUNTAIN CREEK NEAR CRAVEN	188
05JJ002	LANIGAN CREEK NEAR HATFIELD	187
05JJ003	LANIGAN CREEK ABOVE BOULDER LAKE	186
05JJ004	LANIGAN CREEK DIVERSION TO LITTLE MANITOU LAKE	187
05JJ005	SASKATOON S.E. PROJECT MAIN CANAL AT OUTLET OF MANITOU PUMPING	346
05JJ006	SASKATOON S.E. PROJECT DIVERSION TO LITTLE MANITOU LAKE	340
05JJ007	SASKATOON S.E. PROJECT MAIN CANAL AT INLET TO DELLWOOD RESERVO	345
05JJ009	SALINE CREEK NEAR NOKOMIS	335
05JJ010	LANIGAN CREEK NEAR LANIGAN	188
05JK002	QU'APPELLE RIVER BELOW CRAVEN DAM	305
05JK004	JUMPING DEER CREEK NEAR LIPTON	178
05JK006	LOON CREEK NEAR MARKINCH	208
05JK007	QU'APPELLE RIVER BELOW LOON CREEK	308
05JK008	ECHO CREEK AT FORT QU'APPELLE	117
05JL001	QU'APPELLE RIVER BELOW KATEPWA LAKE	307
05JL002	INDIANHEAD CREEK NEAR INDIAN HEAD	171
05JL003	PHEASANT CREEK NEAR BLACKWOOD	288
05JL005	PHEASANT CREEK NEAR ABERNETHY	287
05JM001	QU'APPELLE RIVER NEAR WELBY	313
05JM003	QU'APPELLE RIVER AT TANTALLON	303
05JM005	KAPOSVAR CREEK NEAR TANTALLON	180
05JM008	QU'APPELLE RIVER BELOW ROUND LAKE	310
05JM009	EKAPO CREEK NEAR BROADVIEW	118
05JM010	EKAPO CREEK NEAR MARIEVAL	118
05JM011	QU'APPELLE RIVER AT MARIEVAL	303
05JM012	KAPOSVAR CREEK NEAR ESTERHAZY	179
05JM013	QU'APPELLE RIVER AT HYDE	302
05JM015	CUTARM CREEK NEAR SPY HILL	88
05KA001	CARROT RIVER NEAR KIUSTINO	60
05KA003	CARROT RIVER AT BEAULIEU'S FARM	65
05KA004	DEAD RIVER NEAR KINISTINO	97
05KA005	MULLNER CREEK NEAR VERNDALE	264
05KA009	GOOSEHUNTING CREEK NEAR BEATTY	156
05KB001	MELFORT CREEK NEAR MELFORT	235
05KB002	DOGHIDE RIVER NEAR TISDALE	102
05KB003	CARROT RIVER NEAR ARMLEY	66
05KB004	CARROT RIVER NEAR MYRHEIM'S FARM	69
05KB005	BURNTOUT BROOK NEAR ARBORFIELD	63
05KB006	LEATHER RIVER NEAR STAR CITY	190
05KB008	LITTLE BRIDGE CREEK NEAR ARMLEY	195
05KB009	DOGHIDE RIVER BELOW TISDALE	101
05KB010	LEATHER RIVER BELOW PRESBYTERIAN RIVER	189
05KB011	DOGHIDE RIVER NEAR RUNCIMAN	101
05KB012	SWEETWATER CREEK NEAR STAR CITY	392
05KB013	PRESBYTERIAN RIVER ABOVE LEATHER RIVER	299
05KC001	CARROT RIVER NEAR SMOKY BURN	70
05KC002	CONNELL CREEK NEAR CONNELL CREEK	80

STATION NO.	NAME	PAGE
05KD001	SASKATCHEWAN RIVER AT NIPAWIN	337
05KD002	PETAIGAN RIVER BELOW PETAIGAN SCHOOL	286
05KD003	SASKATCHEWAN RIVER BELOW TOBIN LAKE	338
05KD005	SASKATCHEWAN RIVER ABOVE SIPANOK CHANNEL	338
05KE001	WHITE FOX RIVER NEAR WHITE FOX	337
05KE002	TORCH RIVER NEAR LOVE	426
05KE005	WHITE FOX RIVER NEAR GARRICK	409
05KE006	BISSET CREEK NEAR CHOICKLAND	425
05KE007	KELSEY CREEK NEAR GARRICK	48
05KF001	BALLANTYNE RIVER ABOVE BALLANTYNE BAY	182
05KG002	STURGEON-WEIR RIVER AT OUTLET OF AMISK LAKE	14
05KG007	STURGEON-WEIR RIVER AT LEAF RAPIDS	390
05KH007	CARROT RIVER NEAR TURNBERRY	389
05KH008	SASKATCHEWAN RIVER NEAR MANITOBA BOUNDARY	71
05KH009	SASKATCHEWAN RIVER OLD CHANNEL	339
05KH010	SASKATCHEWAN RIVER BELOW CUMBERLAND HOUSE	339
05KH011	DRAGLINE CHANNEL NEAR SQUAW RAPIDS	337
05KH012	TEARING RIVER NEAR CUMBERLAND HOUSE	107
05KH013	BIRCH RIVER NEAR MANITOBA BOUNDARY	405
05KJ014	PASQUIA RIVER AT HIGHWAY NO. 9	46
05LA001	BARRIER RIVER OVERFLOW	284
05LA002	BARRIER RIVER NEAR MCKAGUE	16
05LA003	DUCK CREEK NEAR KELVINGTON	16
05LA004	PIPESTONE CREEK NEAR ROSE VALLEY	107
05LA005	RED DEER RIVER NEAR ARCHERWILL	292
05LA006	BARRIER RIVER BELOW BARRIER LAKE	318
05LB001	ETOMAMI RIVER NEAR RESERVE	15
05LB002	ETOMAMI RIVER NEAR BERKWELL	122
05LB003	FIR RIVER NEAR HUDSON BAY	121
05LB004	LOISELLE CREEK NEAR HUDSON BAY	127
05LB005	RED DEER RIVER NEAR STEEM	200
05LB006	SHAND CREEK NEAR DILLABOUGH	320
05LB007	FIR RIVER NEAR HUDSON BAY	347
05LB008	MACNAB CREEK NEAR SOMME	128
05LB009	GREENWATER CREEK NEAR CHELAN	213
05LB010	PRAIRIE RIVER NEAR PRAIRIE RIVER	160
05LC001	RED DEER RIVER NEAR ERWOOD	298
05LC002	RED DEER RIVER NEAR HUDSON BAY	319
05LD003	OVERFLOWING RIVER NEAR HUDSON BAY	120
05LE009	SWAN RIVER NEAR NORQUAY	281
05LE011	MALONECK CREEK NEAR PELLY	392
05MA001	SPRING CREEK NEAR WYNYARD	218
05MA008	POMASS CREEK NEAR POMASS LAKE	381
05MA011	BIRCH CREEK NEAR ELFROS	295
05MA012	IRONSPRING CREEK NEAR WATSON	45
05MA013	RANCH CREEK NEAR ANNAHEIM	173
05MA014	RANCH CREEK NEAR ANNAHEIM	316
05MA015	WYNYARD CREEK NEAR THE MOUTH	316
05MA016	ROMANCE CREEK NEAR WATSON	445
05MA017	WYNYARD CREEK NEAR WYNYARD	330
05MA018	DAFOE BROOK NEAR DAFOE	445
05MA019	WIMMER BROOK NEAR WIMMER	96
05MA020	QUILL CREEK NEAR QUILL LAKE	436
05MA021	MAGNUSSON CREEK NEAR WYNYARD	314
05MA022	BECKETT BROOK NEAR FOAM LAKE	214
05MA023	MILLIGAN CREEK NEAR WADENA	39
05MA025	RANCH CREEK ABOVE RANCH LAKE	244
05MB001	YORKTON CREEK NEAR EBENEZER	316
05MB002	WHITESAND RIVER NEAR KAMSACK	448
05MB003	WHITESAND RIVER NEAR CANORA	429
05MB004	WHITESAND RIVER NEAR SHEHO	428
05MB005	WILLOW BROOK AT WILLOWBROOK	430
05MB006	CROOKED HILL CREEK NEAR CANORA	435
05MB007	SPIRIT CREEK NEAR BUCHANAN	85
05MB008	WHITESAND RIVER NEAR SPRINGSIDE	380
05MB011	VAN PATTENS CREEK NEAR KUROKI	430
05MB012	LAWRIE CREEK NEAR INSINGER	414
05MC001	ASSINIBOINE RIVER AT STURGIS	189
05MC002	STONY CREEK NEAR STENEN	11
05MC003	LILIAN RIVER NEAR LADY LAKE	386
05MC004	CONJURING CREEK NEAR PREECEVILLE	193
05MD004	ASSINIBOINE RIVER AT KAMSACK	79
05MD006	LITTLE BOGGY CREEK NEAR COTE	9
05MD107	STONY CREEK NEAR KAMSACK	194
05ME007	SMITH CREEK NEAR MARCHWELL	185
05NA001	LONG CREEK NEAR TRIBUNE	155
05NA002	LONG CREEK NEAR TRIBUNE	207
05NA003	LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY	208
05NA004	LONG CREEK NEAR MAXIM	202
05NA005	GIBSON CREEK NEAR RADVILLE	206
05NP001	LONG CREEK NEAR ESTEVAN	156
05NP004	BEAVERDAM CREEK NEAR WEYBURN	204
05NB006	SOURIS RIVER NEAR MIDALE	38
05NB007	SOURIS RIVER NEAR ESTEVAN	366
05NB008	SHORT CREEK NEAR ROCHE PERCEE	361
05NB009	SOURIS RIVER NEAR ROCHE PERCEE	352
05NB010	SOURIS RIVER NEAR MACOUN	367
05NB011	YELLOW GRASS DITCH NEAR YELLOW GRASS	365
05NB013	LONG CREEK AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY	446
05NB014	JEWEL CREEK NEAR GOODWATER	201
05NB015	ROUGHBARK CREEK ABOVE ROUGHBARK RESERVOIR	176
05NB017	SOURIS RIVER NEAR HALBRITE	331
05NB018	TATAGWA LAKE DRAIN NEAR WEYBURN	363
05NB019	COULEE, WEST OF BOUNDARY RESERVOIR NEAR ESTEVAN	404
05NB021	SHORT CREEK NEAR ROCHE PERCEE	81
05NB023	ROUGHBARK CREEK BELOW ROUGHBARK RESERVOIR	351
05NB025	SOURIS RIVER NEAR LEWVAN	332
05NB026	LONG CREEK NEAR CROSBY	364
05NB027	LONG CREEK NEAR NOONAN	203
05NB028	SOURIS RIVER AT WEYBURN	207
05NB030	SOURIS RIVER NEAR MCTAGGART	359
05NB031	SOURIS RIVER NEAR BECHARD	365
05NC001	MOOSE MOUNTAIN CREEK BELOW MOOSE MOUNTAIN LAKE	359
05NC003	MOOSE MOUNTAIN CREEK ABOVE KISBEY IRRIGATION PROJECT	257
05NC004	MOOSE MOUNTAIN CREEK BELOW KISBEY IRRIGATION PROJECT	255
05NC005	MOOSE MOUNTAIN CREEK NEAR GLENAVON	256
05ND001	SOURIS RIVER NEAR GLEN EWEN	457
05ND003	SOURIS RIVER NEAR OXBOW	362
05ND004	MOOSE MOUNTAIN CREEK NEAR OXBOW	366
05ND007	SOURIS RIVER NEAR SHERWOOD	333
05NE001	PIPESTONE CREEK NEAR MOOSOMIN	289
05NE003	PIPESTONE CREEK ABOVE MOOSOMIN LAKE	291
05NF006	LIGHTNING CREEK NEAR CARNDUFF	190
05NF010	ANTLER RIVER NEAR WAUCHOPE	193
05NF013	GAINSBOROUGH CREEK NEAR STORTHOAKS	4
06AD001	BEAVER RIVER NEAR DORINTOSH	149
06AD002	MAKWA RIVER NEAR BROUN'S FARM	37
06AD003	MEADOW RIVER NEAR MEADOW LAKE	217
06AD004	HORSEHEAD CREEK NEAR MAKWA	235
06AD005	RABBIT CREEK NEAR MAKWA	166
		314

INDEX (CONT.)

STATION NO.	NAME	PAGE
06AD007	MAKWA RIVER AT RAPID VIEW	2
06AD008	MORIN CREEK NEAR MEADOW LAKE	216
06AD009	MAKWA RIVER AT OUTLET OF MAKWA LAKE	260
06AD010	MEADOW RIVER BELOW MEADOW LAKE	215
06AD011	ALCOTT CREEK ABOVE MEADOW LAKE	234
06AE001	MORBURY CREEK NEAR SPIRITWOOD	2
06AF001	COLD RIVER AT OUTLET OF COLD LAKE	270
06AF005	WATERHEN RIVER NEAR GOODSOIL	78
06AF006	WATERHEN RIVER ABOVE BEAVER RIVER	422
06AG001	BEAVER RIVER BELOW WATERHEN RIVER	422
06AG002	DORE RIVER NEAR THE MOUTH	36
06BA002	DILLON RIVER BELOW DILLON LAKE	102
06BB002	CHURCHILL RIVER ABOVE DIPPER RAPIDS	100
06BB003	CHURCHILL RIVER NEAR PATUANAK	72
06BB004	KEELEY RIVER AT OUTLET OF KEELEY LAKE	77
06BB005	CANOE RIVER NEAR BEAUVAL	181
06BC001	MUDJATIK RIVER NEAR FORCIER LAKE	65
06BD001	HAULTAIN RIVER ABOVE NORBERT RIVER	263
06CA001	MONTREAL RIVER AT OUTLET OF BIGSTONE LAKE	162
06CA003	MONTREAL RIVER AT HIGHWAY NO. 2	246
06CB002	RAPID RIVER AT OUTLET OF LAC LA RONGE	246
06CC001	SMOOTHSTONE RIVER BELOW EMMELINE LAKE	117
06CD002	CHURCHILL RIVER ABOVE OTTER RAPIDS	156
06CD004	CHURCHILL RIVER BELOW TRADE LAKE	77
06CE001	FOSTER RIVER ABOVE CHURCHILL RIVER	76
06DA004	GEIKIE RIVER BELOW WHEELER RIVER	131
06DA005	WHEELER RIVER BELOW RUSSELL LAKE	155
06DB002	REINDEER RIVER AT OUTLET OF REINDEER LAKE	425
06DB003	THYME HILL RIVER BELOW MACKENZIE LAKE	322
06DC001	WATHAMAN RIVER BELOW WATHAMAN LAKE	408
06DD002	REINDEER RIVER ABOVE DEVIL RAPIDS	423
06EA002	CHURCHILL RIVER AT SANDY BAY	321
06EA007	PAGATO RIVER AT OUTLET OF PAGATO LAKE	76
06EA010	CHURCHILL RIVER ABOVE MAPLE LEAF RAPIDS	282
06EA011	CHURCHILL RIVER ABOVE WINTEGO RAPIDS	73
07CD006	CLEARWATER RIVER AT OUTLET OF LLOYD LAKE	74
07CD007	DESCHARME RIVER BELOW DUPRE LAKE	78
07LB002	WATERFOUND RIVER BELOW THERIAU LAKE	99
07LC002	CHIPMAN RIVER ABOVE BLACK LAKE	411
07LC003	PORCUPINE RIVER AT OUTLET OF GROVE LAKE	72
07LD002	CREE RIVER AT OUTLET OF WAPATA LAKE	297
07LD003	PIPESTONE RIVER BELOW ROTARIU LAKE	82
07LE001	POND DU LAC RIVER AT STONY RAPIDS	293
07LE002	POND DU LAC RIVER AT OUTLET OF BLACK LAKE	111
07LE003	GREASE RIVER BELOW FONTAINE LAKE	130
07LE004	OTHERSIDE RIVER AT OUTLET OF MENCREDI LAKE	159
07MA003	DOUGLAS RIVER NEAR CLUFF LAKE	280
07MA004	WILLIAM RIVER ABOVE CARSWELL RIVER	103
07MA005	WILLIAM RIVER AT SANDY BAY	434
07MB001	MACFARLANE RIVER AT OUTLET OF DAVY LAKE	434
07MC001	OLDMAN RIVER NEAR GOLDFIELDS	212
07QC001	TAZIN RIVER ABOVE TESELJIRI FALLS	278
07QC005	AGITAU RIVER ABOVE CUMING LAKE	405
07QC006	TAZIN RIVER ABOVE TAZIN LAKE	2
11AB001	MIDDLE CREEK BELOW MIDDLE CREEK RESERVOIR	405
11AB003	BATTLE CREEK ABOVE GAFF DITCH	238
11AB004	TENMILE CREEK NEAR TENMILE POLICE DETACHMENT	30
11AB005	ADAMS CREEK AT SODERSTROM'S RANCH	406
11AB006	LODGE CREEK AT INTERNATIONAL BOUNDARY	1
11AB008	MIDDLE CREEK ABOVE LODGE CREEK	196
11AB010	BATTLE CREEK AT NASH'S RANCH	236
11AB011	BATTLE CREEK AT WILSON'S RANCH	24
11AB012	LINDNER BROS. DITCH NEAR BATTLE CREEK	25
11AB014	ADAMS CREEK AT SPANGLER'S RANCH	194
11AB015	BATTLE CREEK BELOW DIVERSION CANAL	1
11AB016	SPANGLER DITCH NEAR ADAMS CREEK	26
11AB018	NASHLYN CANAL NEAR CONSUL	376
11AB019	GAFF DITCH FROM BATTLE CREEK	266
11AB020	SHEPHERD DITCH NEAR CONSUL	147
11AB022	SHEPHERD BROS. EAST DITCH NEAR BATTLE CREEK	350
11AB024	WOOD AND ANDERSON WEST DITCH NEAR COULEE	349
11AB025	GILCHRIST BROS. DITCH NEAR CONSUL	418
11AB026	BADGER DITCH NEAR CONSUL	157
11AB027	BATTLE CREEK AT INTERNATIONAL BOUNDARY	14
11AB034	HAMMOND DITCH NEAR GOVENLOCK	22
11AB037	LESLIE EAST DITCH NEAR COULEE	161
11AB038	LESLIE WEST DITCH NEAR COULEE	190
11AB042	LYNCH DITCH NEAR GOVENLOCK	191
11AB043	MARSHALL AND GAFF DITCH AT BATTLE CREEK	208
11AB044	MCKINNON DITCH NEAR CONSUL	224
11AB051	MULL EAST DITCH	231
11AB052	MULL WEST DITCH	264
11AB053	PARSONAGE DITCH NEAR BATTLE CREEK	264
11AB054	PATTERSON DITCH NEAR BATTLE CREEK	293
11AB058	RICHARDSON DITCH NEAR CONSUL	284
11AB060	SPANGLER DITCH NEAR GOVENLOCK	324
11AB064	WILKES BROS. DITCH NEAR OXARRT	378
11AB066	WOOD AND ANDERSON SOUTH DITCH NEAR COULEE	433
11AB070	MCRAE COULEE AT INTERNATIONAL BOUNDARY	438
11AB071	BUSHY COULEE NEAR CONSUL	233
11AB073	BATTLE CREEK BELOW WILKES' RANCH	64
11AB075	LYONS CREEK AT INTERNATIONAL BOUNDARY	27
11AB076	BATTLE CREEK ABOVE CYPRESS LAKE WEST INFLOW CANAL	209
11AB077	CYPRESS LAKE WEST OUTFLOW CANAL	18
11AB078	CYPRESS LAKE WEST INFLOW CANAL	95
11AB081	BATTLE CREEK AT RANGER STATION	92
11AB082	LODGE CREEK NEAR ALBERTA BOUNDARY	25
11AB083	LODGE CREEK BELOW MCRAE CREEK AT INTERNATIONAL BOUNDARY	199
11AB084	VIDORA DITCH NEAR CONSUL	198
11AB085	CYPRESS LAKE WEST INFLOW CANAL DRAIN	415
11AB087	MIDDLE CREEK NEAR BATTLE CREEK	94
11AB088	LODGE CREEK BELOW SPANGLER PROJECT	239
11AB096	BATTLE CREEK NEAR CONSUL	199
11AB100	BATTLE CREEK ABOVE CYPRESS LAKE WEST OUTFLOW CANAL	29
11AB101	BATTLE CREEK BELOW NASHLYN PROJECT	19
11AB102	GAFF DITCH NEAR MERRYFLAT	27
11AB103	SQUAW COULEE NEAR WILLOW CREEK	148
11AB105	WOODPILE COULEE NEAR INTERNATIONAL BOUNDARY	184
11AB107	EAST FORK BATTLE CREEK NEAR INTERNATIONAL BOUNDARY	443
11AB108	MIDDLE CREEK NEAR GOVENLOCK	112
11AB109	BUCHANAN DITCH NEAR GOVENLOCK	240
11AB110	STOKKE DITCH NEAR GOVENLOCK	61
11AB112	BATTLE CREEK BELOW GAFF DITCH	385
11AB113	MIDDLE CREEK RESERVOIR MAIN OUTLET	26
11AB114	MIDDLE CREEK RESERVOIR BEDFORD OUTLET	243
11AB115	MIDDLE CREEK RESERVOIR FLOOD SPILLWAY	241
11AB116	VIDORA DITCH NEAR CONSUL (LOWER STATION)	242
11AB117	BATTLE CREEK AT ALBERTA BOUNDARY	416
11AB118	BATTLE CREEK BELOW WILSON'S WEIR	21
11AC001	FRENCHMAN RIVER BELOW EASTEND RESERVOIR	28
		142

STATION NO.	NAME	PAGE
11AC002	CONGLOMERATE CREEK AT CROSS RANCH	79
11AC003	FAIRWELL CREEK AT DRURY'S RANCH	125
11AC004	DAVIS CREEK AT DRURY'S RANCH	97
11AC005	ENRIGHT AND STRONG DITCH NEAR EASTEND	120
11AC006	BELANGER CREEK AT GARRISON'S RANCH	40
11AC007	LONEPINE CREEK AT HEWITT'S RANCH	201
11AC008	SUCKER CREEK AT GILCHRIST'S RANCH NEAR VIDORA	191
11AC009	OGARAT CREEK AT WYLIE'S RANCH	282
11AC010	FRENCHMAN RIVER AT HUFF'S RANCH	136
11AC011	BLACKTAIL CREEK AT GARISSERE'S RANCH	48
11AC014	MULE CREEK AT GUPPY'S RANCH NEAR NUMIDIA	263
11AC015	ROSE CREEK AT DORRELL	331
11AC016	BELANGER CREEK ABOVE CYPRESS LAKE EAST INFLOW CANAL	40
11AC017	FRENCHMAN RIVER AT RAVENSCRAG	140
11AC018	FRENCHMAN RIVER ABOVE EASTEND RESERVOIR	132
11AC019	WYLIE DITCH NEAR OXARAT	444
11AC020	MOROTT DITCH NEAR EASTEND	184
11AC021	BOLINGBROKE DITCH NEAR EASTEND	50
11AC022	FRENCHMAN RIVER NEAR BELANGER	146
11AC023	FRENCHMAN RIVER AT 50-MILE	134
11AC024	GATE CREEK AT GATE'S RANCH	17
11AC025	DENNIEL CREEK NEAR VAL MARIE	98
11AC026	BREED CREEK NEAR BUZZARD'S RANCH	55
11AC027	FRENCHMAN RIVER AT BUZZARD'S RANCH	135
11AC028	LITTLE BREED CREEK NEAR BUZZARD'S RANCH	195
11AC029	FRENCHMAN RIVER AT WALKER'S	140
11AC030	ARMSTRONG EAST DITCH NEAR MURRAYDALE	6
11AC031	ARMSTRONG WEST DITCH NEAR MURRAYDALE	7
11AC032	BARROBY DITCH NEAR RAVENSCRAG	17
11AC034	GATE SOUTH DITCH	17
11AC035	CATON DITCH NEAR RAVENSCRAG	71
11AC036	CLARKE AND THOMPSON DITCH NEAR EASTEND	77
11AC040	FRENCHMAN RIVER AT DRURY'S RANCH	136
11AC041	FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY	138
11AC042	KEARNEY BROTHERS DITCH NEAR KEALEY SPRINGS	180
11AC043	MORRISON DITCH NEAR EASTEND	260
11AC044	STRONG EAST DITCH NEAR EASTEND	387
11AC045	STRONG WEST DITCH NEAR EASTEND	387
11AC046	TENAILLE DITCH NEAR KLINTONEL	406
11AC047	PEARSE DITCH NEAR RAVENSCRAG	285
11AC050	GILCHRIST BROS. DAIRY CREEK DITCH NEAR VIDORA	157
11AC051	FRENCHMAN RIVER BELOW VAL MARIE	145
11AC052	EASTEND CANAL	116
11AC054	NEWTON LAKE MAIN CANAL	268
11AC057	FRENCHMAN RIVER BELOW EASTEND IRRIGATION PROJECT	141
11AC059	BELANGER CREEK BELOW CYPRESS LAKE EAST INFLOW CANAL	41
11AC060	CYPRESS LAKE EAST OUTFLOW CANAL	90
11AC062	FRENCHMAN RIVER BELOW NEWTON LAKE	144
11AC064	BELANGER CREEK DIVERSION TO CYPRESS LAKE	42
11AC065	HUFF LAKE GRAVITY CANAL	167
11AC066	HUFF LAKE PUMPING CANAL	169
11AC067	FRENCHMAN RIVER AT HIGHWAY NO. 37	136
11AC068	VAL MARIE PUMP NO. 1	412
11AC069	VAL MARIE PUMP NO. 2	413
11AC070	FRENCHMAN RIVER NEAR ROSEVIELD	146
11AC071	FRENCHMAN RIVER BELOW MULE CREEK	144
11AC072	CYPRESS LAKE EAST INFLOW CANAL NEAR VIDORA	89
11AC073	DENNIEL CREEK EAST TRIBUTARY NEAR VAL MARIE	97
11AD001	WHITEWATER CREEK NEAR INTERNATIONAL BOUNDARY	431
11AD002	BROWN DITCH NEAR DIVIDE	62
11AE001	MCEACHERN CREEK AT MCCOY'S RANCH	229
11AE002	WEST FORK POPLAR RIVER AT INTERNATIONAL BOUNDARY	424
11AE003	EAST POPLAR RIVER AT INTERNATIONAL BOUNDARY	114
11AE004	BOWREY DITCH NEAR BARGARD	51
11AE005	ROCK CREEK AT INTERNATIONAL BOUNDARY	127
11AE006	HORSE CREEK AT INTERNATIONAL BOUNDARY	165
11AE007	MCEACHERN CREEK AT INTERNATIONAL BOUNDARY	228
11AE008	POPLAR RIVER AT INTERNATIONAL BOUNDARY	296
11AE009	ROCK CREEK BELOW HORSE CREEK NEAR INTERNATIONAL BOUNDARY	329
11AE010	HAY MEADOW CREEK NEAR LISTEUX	164
11AE011	EAST POPLAR RIVER AT MORRISON DAM	115
11AE012	COW CREEK NEAR INTERNATIONAL BOUNDARY	82
11AE014	EAST POPLAR RIVER ABOVE COOKSON RESERVOIR	113
11AE015	GIRARD CREEK NEAR COROMACH	158
11AE018	POPLAR RIVER ABOVE BOLSTER CREEK	295
11AF002	BIG MUDDY CREEK AT INTERNATIONAL BOUNDARY	45
11AF004	BEAVER CREEK NEAR INTERNATIONAL BOUNDARY	36
11AF005	BEAVER CREEK AT INTERNATIONAL BOUNDARY	35